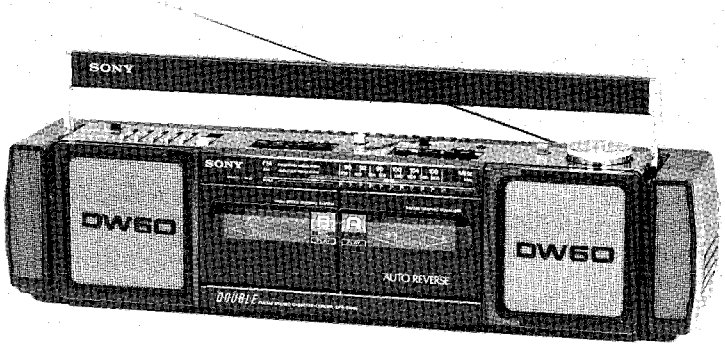
CFS-DW60

SERVICE MANUAL

US Model
Canadian Model
AEP Model
G-AEP Model
ITALY Model
E Model



SPECIFICATIONS

Model Name Using Similar Mechanism	DECK A	DECK B
	WM-F18	CFS-W50
Tape Transport Mechanism Type	MF-DW60PB-06	MF-DW6RP-06

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION(US MODEL)

Full-range speakers:
with 3.2-ohm loads, both channels driven from 150–10,000 Hz: rated 1.5 W per channel minimum RMS power, with no more than 10% total harmonic distortion in AC operation.

Super woofer:
with 4-ohm loads, driven from 50–300 Hz: rated 5 W minimum RMS power, with no more than 10% total harmonic distortion.

OTHER SPECIFICATIONS

Radio section

Frequency range	US, Canadian, AEP, E, ITALY model: **FM:** 87.6–108 MHz **AM:** 530–1,605 kHz G-AEP model: **FM:** 87.6–107 MHz **AM:** 530–1,605 kHz
Antennas	**FM:** Telescopic antenna **AM:** Built-in ferrite bar antenna

— Continued on page 2 —

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

FM/AM STEREO CASSETTE-CORDER

SONY®

MICROFILM

TC

Tape recorder section and general

Recording system	4-track 2-channel stereo
Fast winding time	Approx. 2 min. with Sony cassette HF-60
Frequency response	60–10.000 Hz 40–14.000 Hz (playback)
Speakers	Full-range: 10 cm (4 inches) dia×2 Super woofer: 8 cm (3¼ inches) dia x 1
Power output	Full-range speakers: 2W+2W (at 3.2Ω, 315 Hz, 10% harmonic distortion) Super woofer: 6W (at 4Ω, 100 Hz, 10% harmonic distortion) at either AC or DC operation
Inputs	One mixing microphone input jack (minijack) sensitivity 2.5 mV for low impedance microphone One line input jack (stereo minijack) sensitivity 0.3 V input impedance 47 kilohms
Outputs	Headphones jack (stereo minijack) for 8–300-ohm impedance headphones
Power requirements	US, Canadian model: 120 V AC, 60 Hz AEP, G-AEP, ITALY model: 220 V AC, 50 Hz E model: 110–120 or 220–240 V AC adjustable, 50/60 Hz 9 V DC, six (size D) IEC designation R20 batteries DC IN 9 V jack accepts: Sony DCC-200 Car battery cord (optional) for use on 12 V car battery
Power consumption	US, Canadian model: 30 W AEP, G-AEP, ITALY, E model: 20 W

Battery life (hours)

Batteries	Tape playback	FM recording
Sony New Super SUM-1(NS)	3.5	18
Sony AM1 or No. E93 alkaline	5	27

Dimensions	Approx. 540×168×149 mm (w/h/d) (21⅜×6⅝×5⅞ inches) incl. projecting parts and controls not incl. handle
Weight	Approx. 5.4 kg (11 lb 15 oz) incl. batteries

FEATURES

High quality sound

- **Powerful bass** is made possible by the Sony MEGA BASS system for bass boosting. This unit incorporates a super woofer, which has its own amplifier separate from that for the full-range speaker. The bass is given out from the right duct in the front and the slit in the rear.
- **5-band graphic equalizer** allows you to make fine adjustments in the tone quality during recording and playback.

Other features

- Synchronized dubbing system with two speeds
- Auto-reverse function (only on deck A)

SAFETY CHECK-OUT (US Model)

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

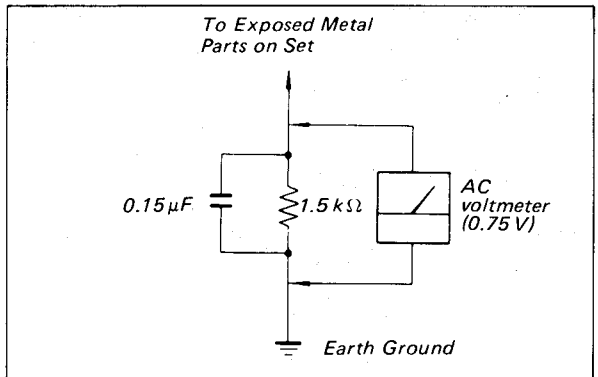
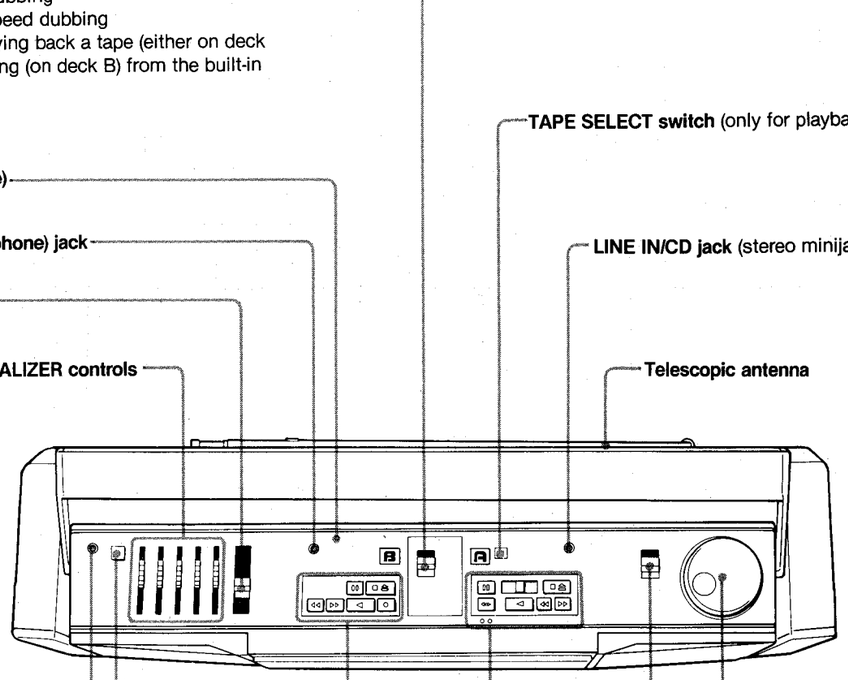


Fig. A. Using an AC voltmeter to check AC leakage.

Upper panel



FUNCTION selector
RADIO LINE IN/CD: For listening to or recording a radio program, or an external sound source (connected to the LINE IN/CD jack).
HIGH: For high-speed dubbing
NORMAL: For normal-speed dubbing
TAPE RADIO OFF: For playing back a tape (either on deck A or B), or for recording (on deck B) from the built-in microphone.

TAPE SELECT switch (only for playback)

MIC (built-in microphone)

MIX MIC (mixing microphone) jack (minijack)

LINE IN/CD jack (stereo minijack)

VOLUME control

5 BAND GRAPHIC EQUALIZER controls

Telescopic antenna

HEADPHONES jack (stereo minijack)

TUNING knob

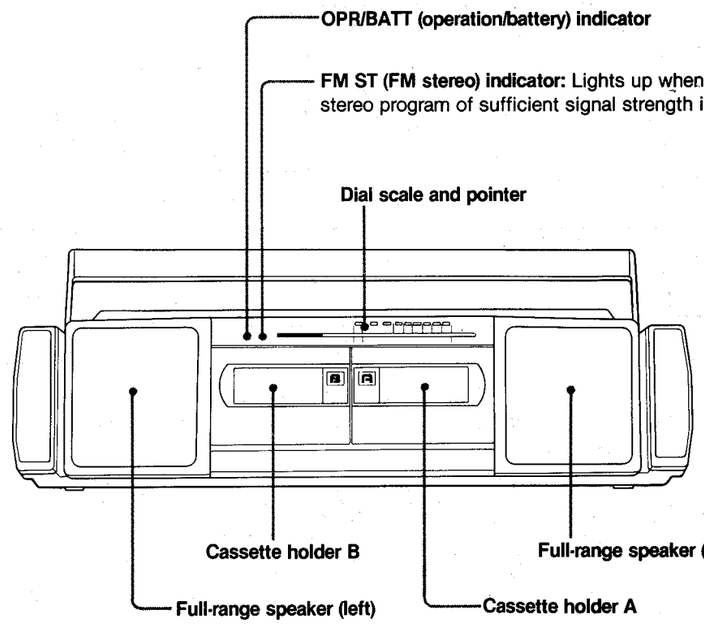
GEQ REC (graphic equalizer recording) switch: Used for recording with the graphic equalizer.

BAND selector

Tape operation buttons of deck B
❚❚ PAUSE: Depress to momentarily stop the tape during recording or playing back. To restart, press it again.
◀◀ FF/CUE (fast forward/cue)
▶▶ REW/REVIEW (rewind/review)
◀ PLAY (playback)
● REC (record)
■⏏ STOP/EJECT

Tape operation buttons of deck A
❚❚ PAUSE
◀◀ and ▶▶ (fast winding) buttons
◀ PLAY (playback)
■⏏ STOP/EJECT
◀|▶ DIRECTION (tape transport direction) selector and indicators
MODE (reverse mode) switch

Front panel



OPR/BATT (operation/battery) indicator

FM ST (FM stereo) indicator: Lights up when an FM stereo program of sufficient signal strength is tuned in.

Dial scale and pointer

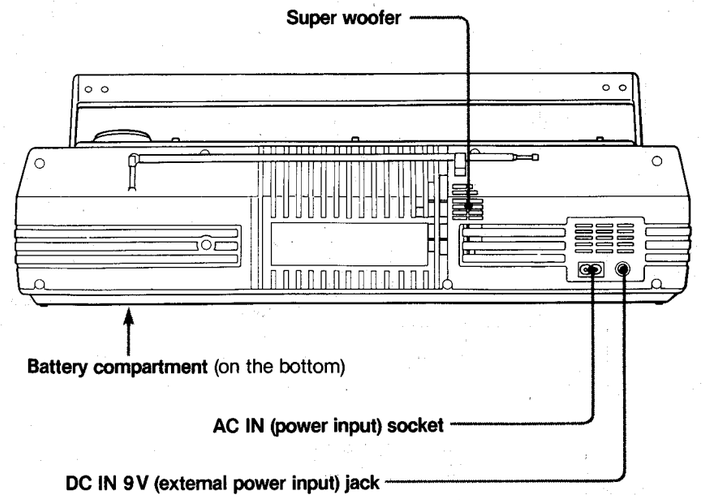
Cassette holder B

Full-range speaker (right)

Full-range speaker (left)

Cassette holder A

Rear panel



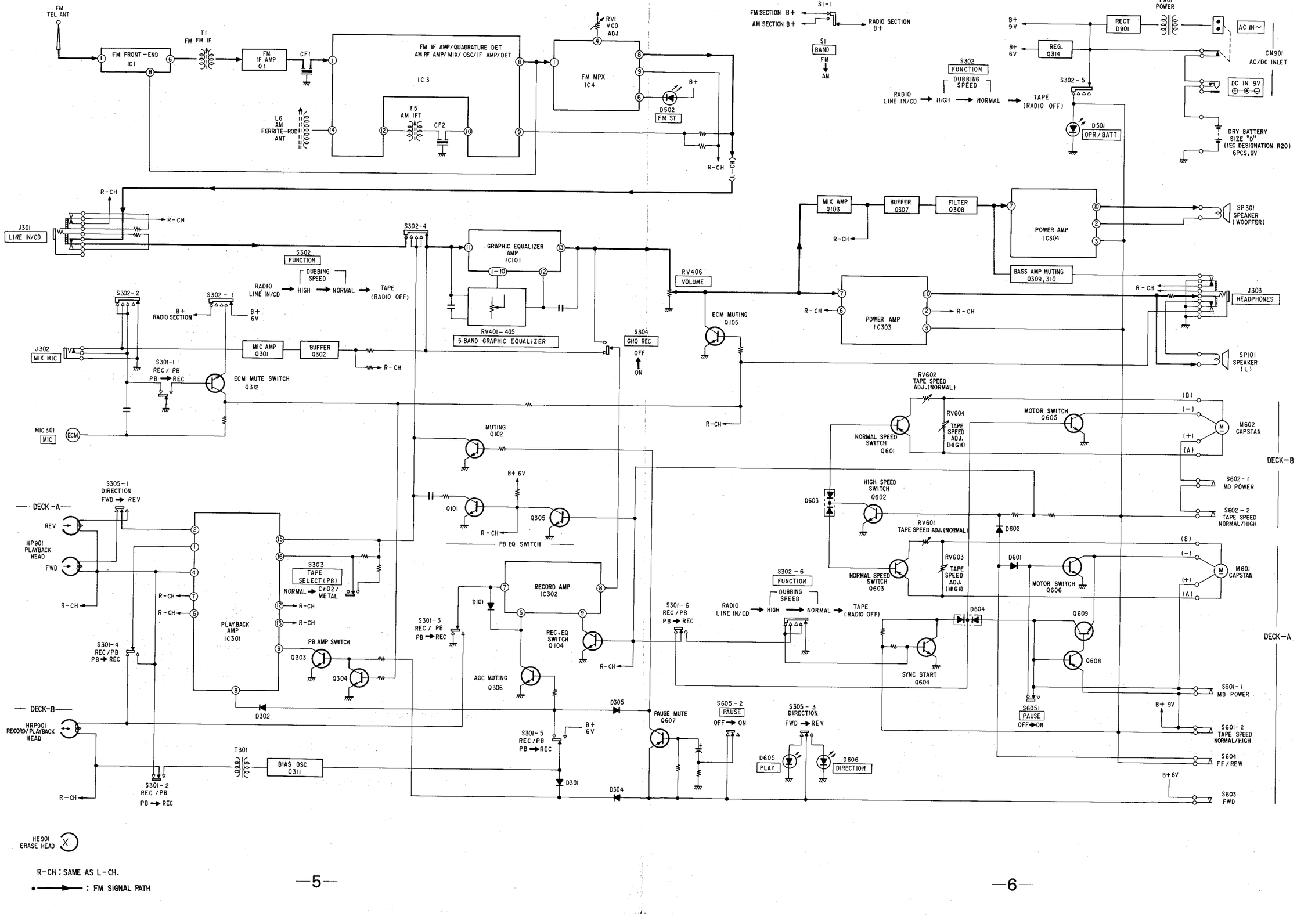
Super woofer

Battery compartment (on the bottom)

AC IN (power input) socket

DC IN 9V (external power input) jack

SECTION 1
BLOCK DIAGRAM

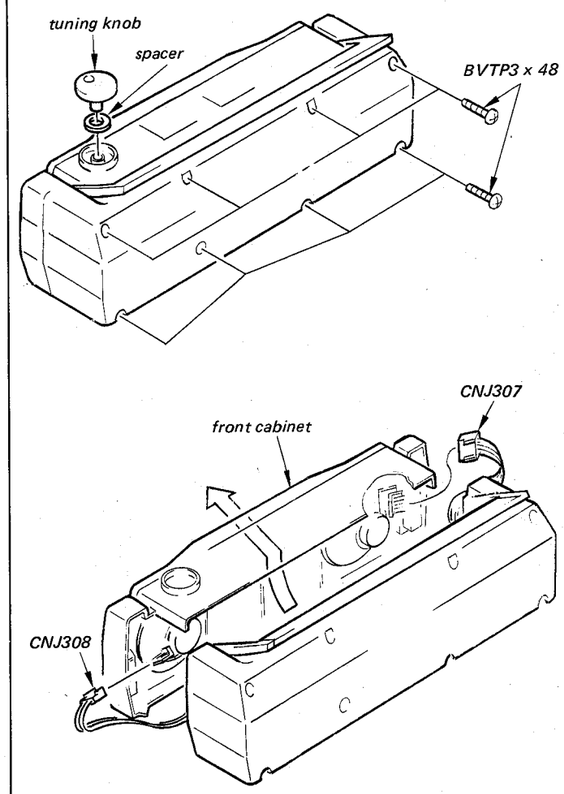


SECTION 2
DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

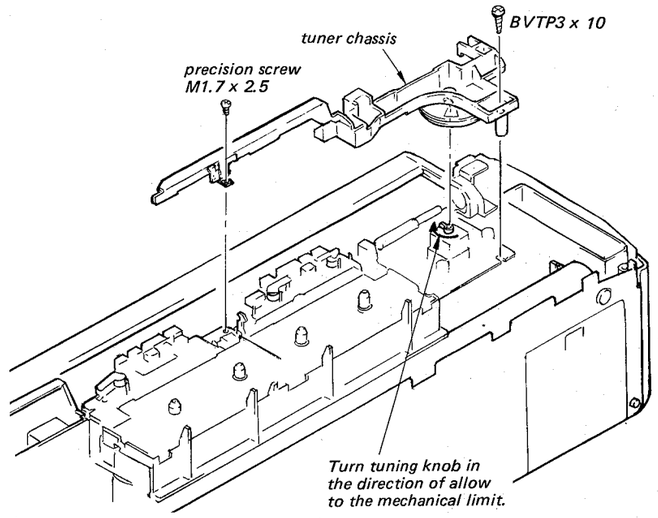
2-1. REMOVAL

FRONT CABINET



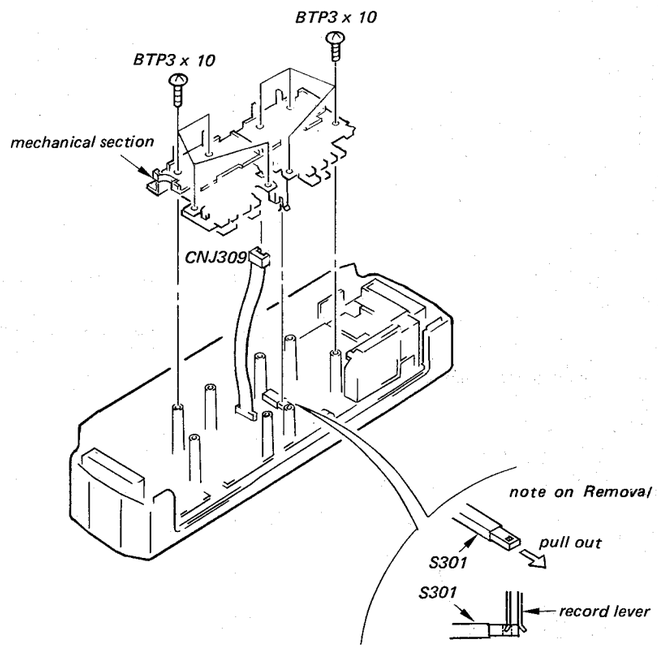
When reassembling, set the knobs.
5 BAND GRAPHIC EQUALIZER knob .... MIN
FUNCTION knob ..... TAPE
TAPE SELECT knob ..... CrO_2/METAL
GEQ REC knob ..... ON

TUNER CHASSIS

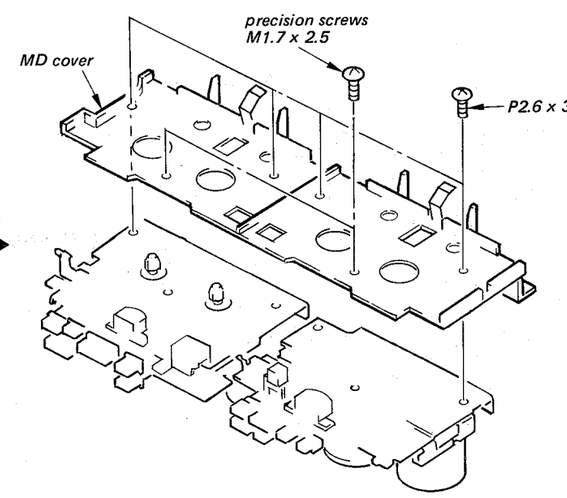


DIAL CORD STRINGING
(See page 10.)

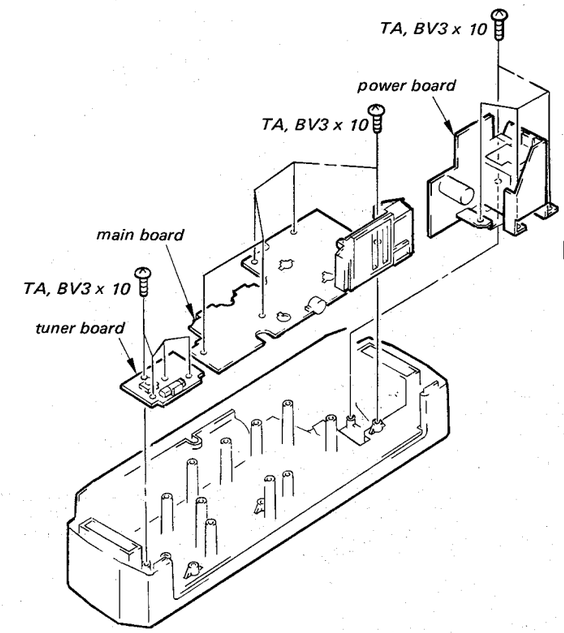
MECHANICAL BLOCK



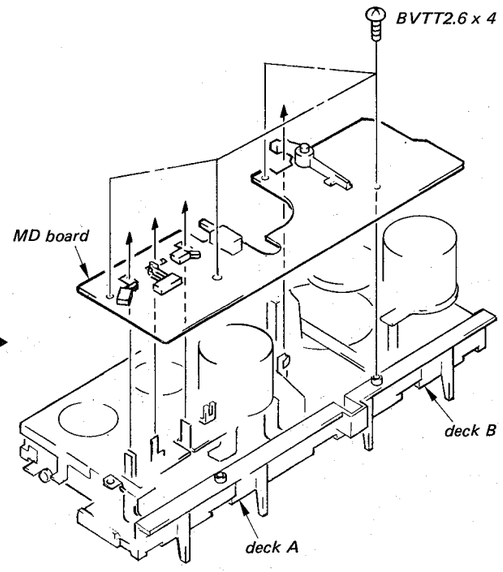
MD COVER



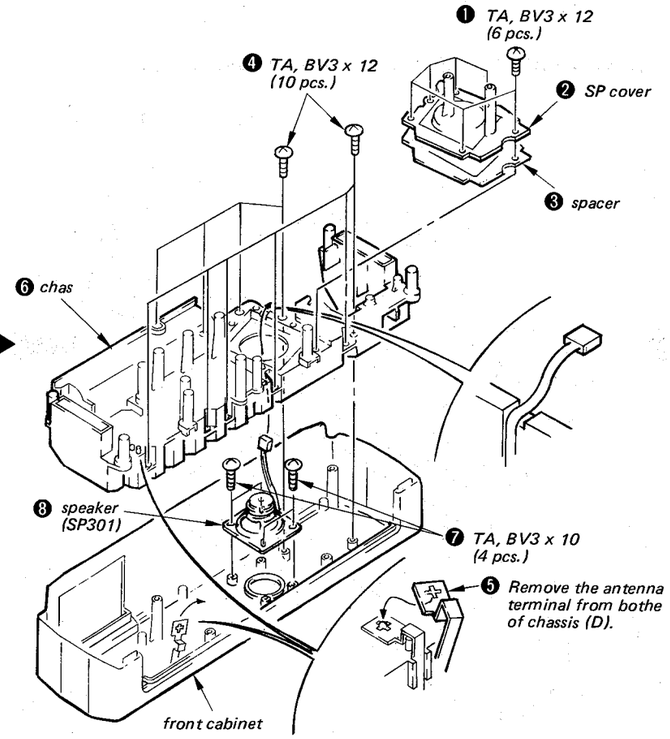
MAIN BOARD, TUNER BOARD AND POWER BOARD



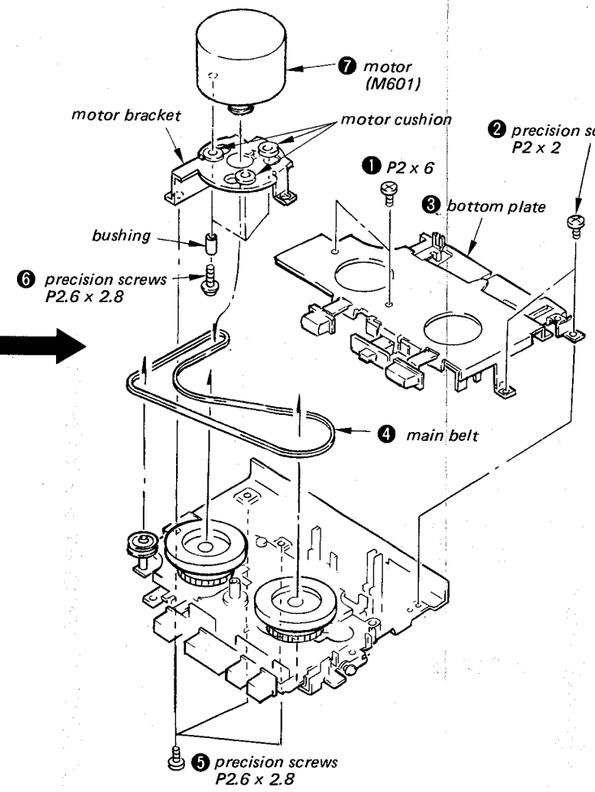
MD BOARD



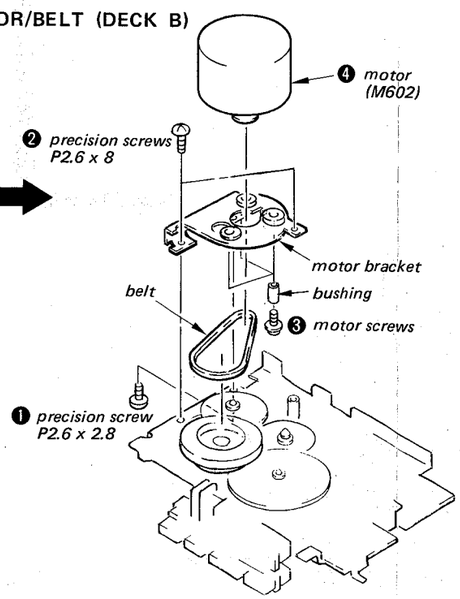
SPEAKER (SP301)


❶ TA, BV3 x 12 (6 pcs.)
❹ TA, BV3 x 12 (10 pcs.)
❷ SP cover
❸ spacer
❻ chas
❽ speaker (SP301)
❼ TA, BV3 x 10 (4 pcs.)
❺ Remove the antenna terminal from bothe of chassis (D).
front cabinet

MOTOR/BELT (DECK A)

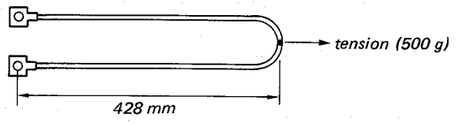


MOTOR/BELT (DECK B)

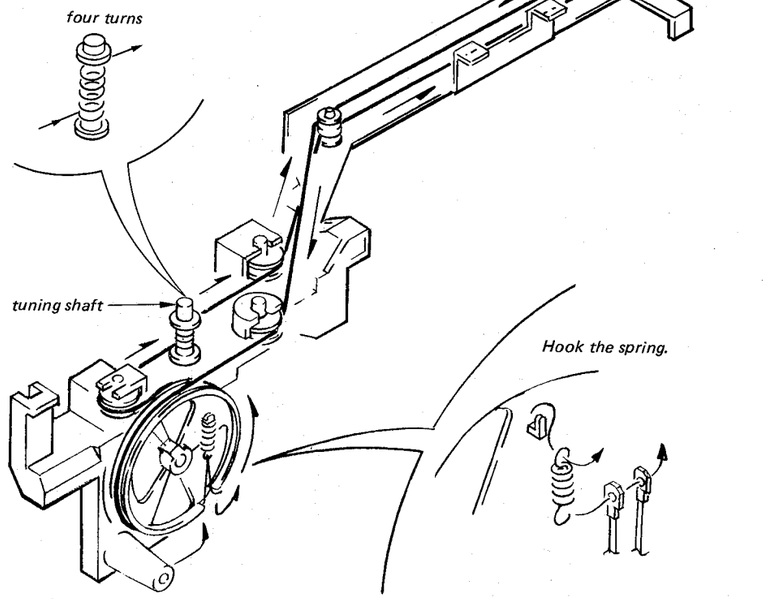


2-2. DIAL CORD STRINGING

1) Dial Cord Preparation

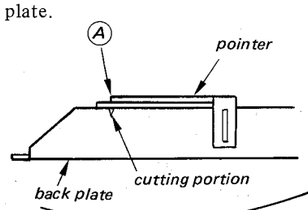


2) Dial Cord Stringing

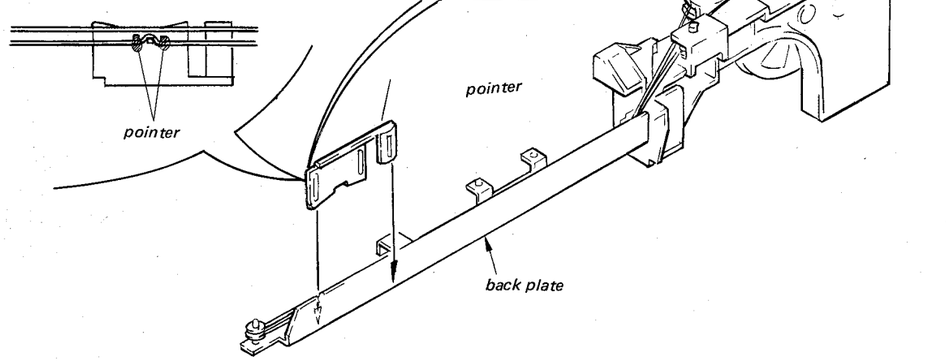


3) Dial Pointer Setting

1. Turn the tuning shaft fully clockwise.
2. Set the pointer (A) to the back plate.



3. Hook the pointer to the dial cord.



SECTION 3
ADJUSTMENTS

MECHANICAL ADJUSTMENT

PRECAUTION

1. Clean the following parts with a denatured-alcohol-moistened swab:

record/playback head	pinch roller
erase head	rubber belts
capstan	idlers

2. Demagnetize the record/playback head with a head demagnetizer. (Do not bring the head demagnetizer close to the erase head.)
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

Torque Measurement

Torque	Torque meter	Meter reading
Forward	CQ-102C	23 – 53 g·cm (0.32 – 0.74 oz·inch)
Fast Forward and Rewind	CQ-201B	52.5 – 90 g·cm (0.73 – 1.25 oz·inch)
Back Tension	CQ-102C	2 – 4.5 g·cm (0.03 – 0.04 oz·inch)

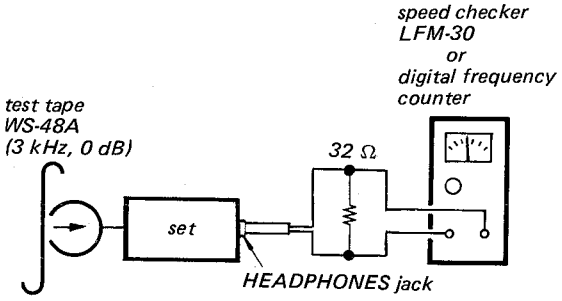
3-2. ELECTRICAL ADJUSTMENTS

TAPE RECORDER SECTION

Tape Speed Adjustment (for both decks A, B)

Procedure:

Mode: playback



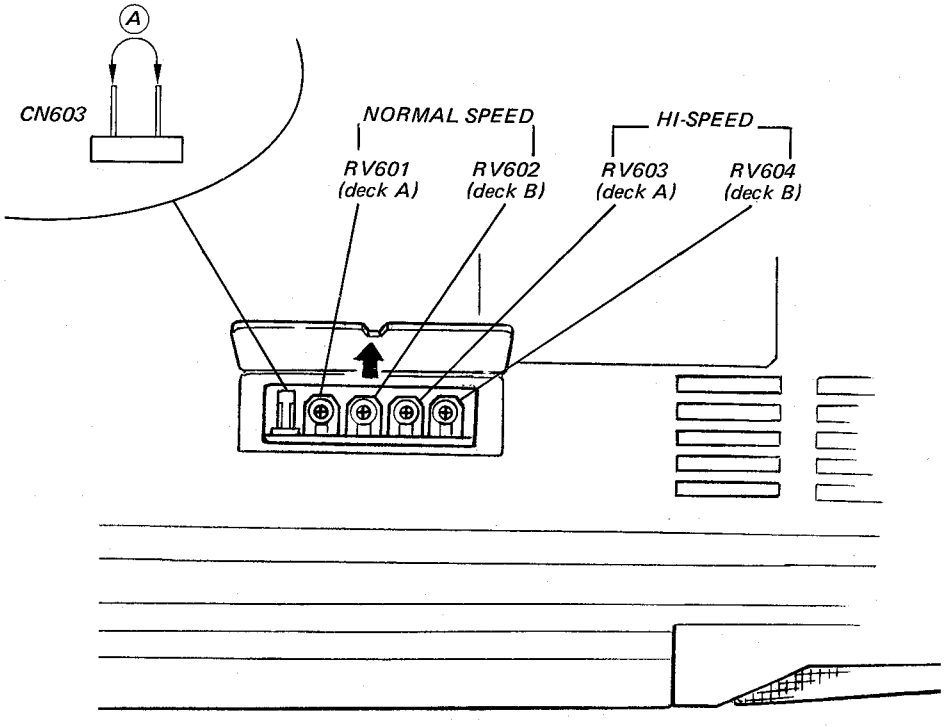
1. Short the Ⓐ point (it results in HI-SPEED mode).
2. Set test tape WS-48 to cassette deck A (deck B) and place the set in playback mode.
3. Adjust RV603 (RV604) for specification on frequency counter or speed checker.
4. Open the Ⓐ point (it results in NORMAL SPEED mode).
5. Set test tape WS-48A to cassette deck A (deck B) and place the set in playback mode.
6. Adjust RV601 (RV602) for specification on frequency counter or speed checker.

Note: Be sure to make HI-SPEED adjustment at first.

Specification: (tape center)

Tape speed	Digital frequency counter
HI-SPEED	5,935 – 5,955 Hz
NORM SPEED	2,960 – 2,970 Hz

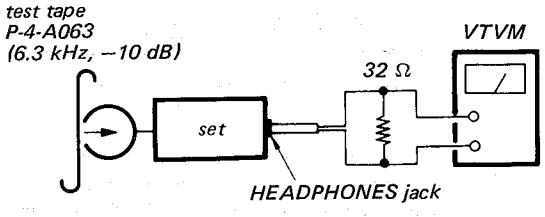
Adjustment Location: MD board



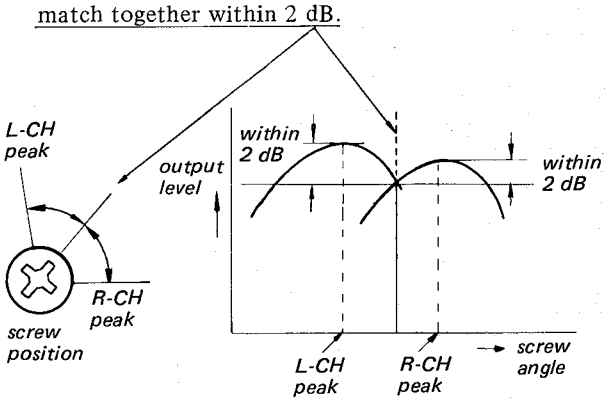
Playback Head Azimuth Adjustment (Deck A)
Record/Playback Head Azimuth Adjustment (Deck B)

Procedure:

1. Mode: playback

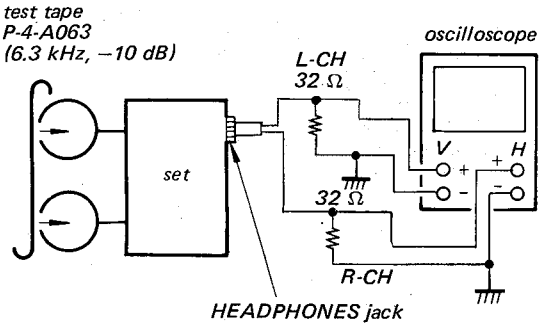


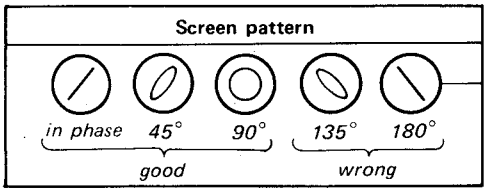
2. Turn the adjustment screw for the maximum output levels. If these levels do not match, turn the adjustment screw until both of output levels match together within 2 dB.



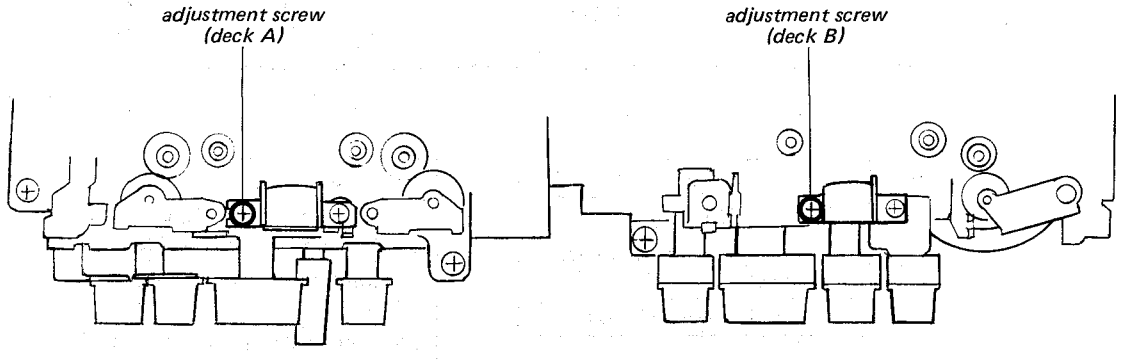
Note: Finish the screw adjustment with a turn in the clockwise direction. After the adjustment, lock the adjustment screw with suitable locking compound.

3. Phase Check
Mode: playback



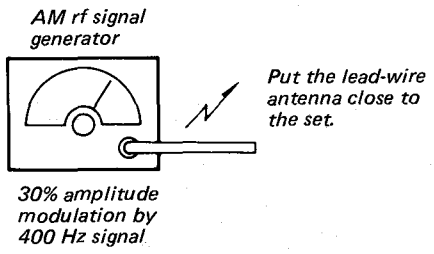


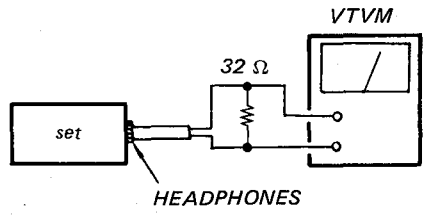
Adjustment Location:



AM SECTION

BAND SELECTOR switch: AM

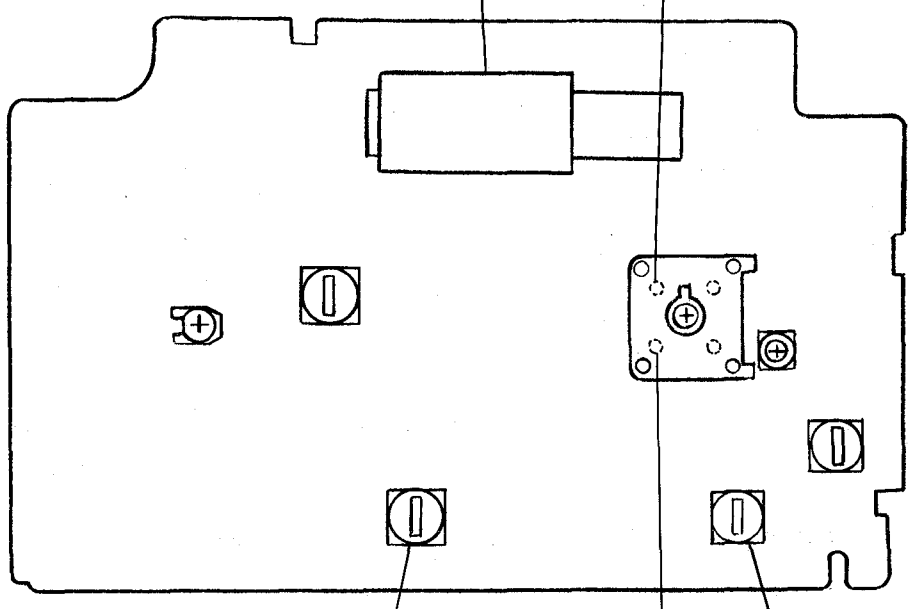




- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

AM TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
620 kHz	1,400 kHz
L3	CT4

[TUNER BOARD]



T5
455 kHz
Adjust for a maximum reading on VTVM.
AM IF ADJUSTMENT

CT3	T3
1,690 kHz [1,606.5 kHz]	518 kHz [526.5 kHz]
Adjust for a maximum reading on VTVM.	
AM FREQUENCY COVERAGE ADJUSTMENT	

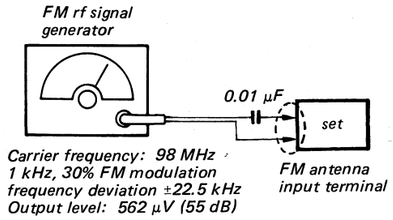
[ ]: ITALY model

FM SECTION

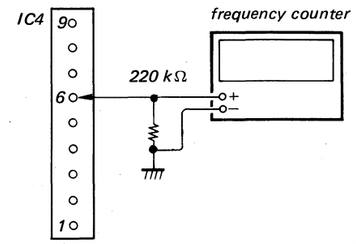
VCO Adjustment

A) Regular Method

Procedure:



Carrier frequency: 98 MHz
1 kHz, 30% FM modulation
frequency deviation ±22.5 kHz
Output level: 562 μV (55 dB)

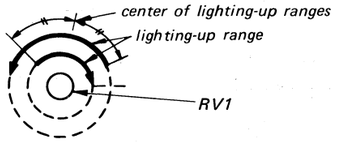


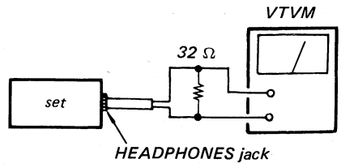
1. Connect frequency counter to it as shown below.
2. Tune the set to 98 MHz.
3. Adjust RV1 for 38 kHz ±0.2 kHz reading on the frequency counter.

B) Simple Method

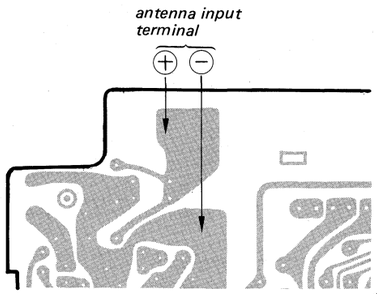
Procedure:

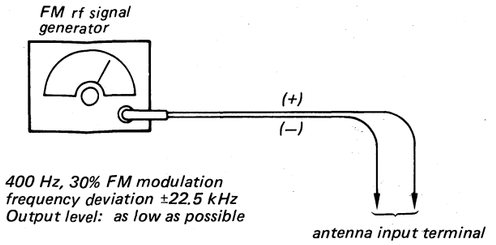
1. Tune the set to the FM stereo broadcasting signal.
2. Turn RV1 clockwise or counterclockwise and memorize the lighting-up range of the FM STEREO lamp.
3. Secure RV1 at the center of the lighting-up range of both turns as shown below.





- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.





FM TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
109.5 MHz (107.8 MHz) [108 MHz]	86.7 MHz (87.35 MHz) [87.5 MHz]
CT2	L2

( ): G-AEP model
[ ]: ITALY model

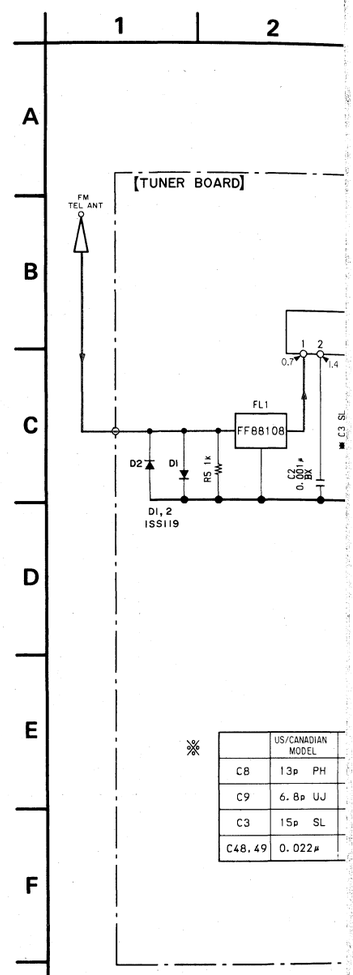
FM FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
CT1	109.5 MHz (107.8 MHz) [108 MHz]
L3	86.7 MHz (87.35 MHz) [87.5 MHz]

( ): G-AEP model
[ ]: ITALY model

T4
10.7 MHz
Minimum distortion
FM IF ADJUSTMENT (2)

T1
10.7 MHz
Adjust for a maximum reading on VTVM.
FM IF ADJUSTMENT (1)

4-1. SCHEMATIC DIAGRAM

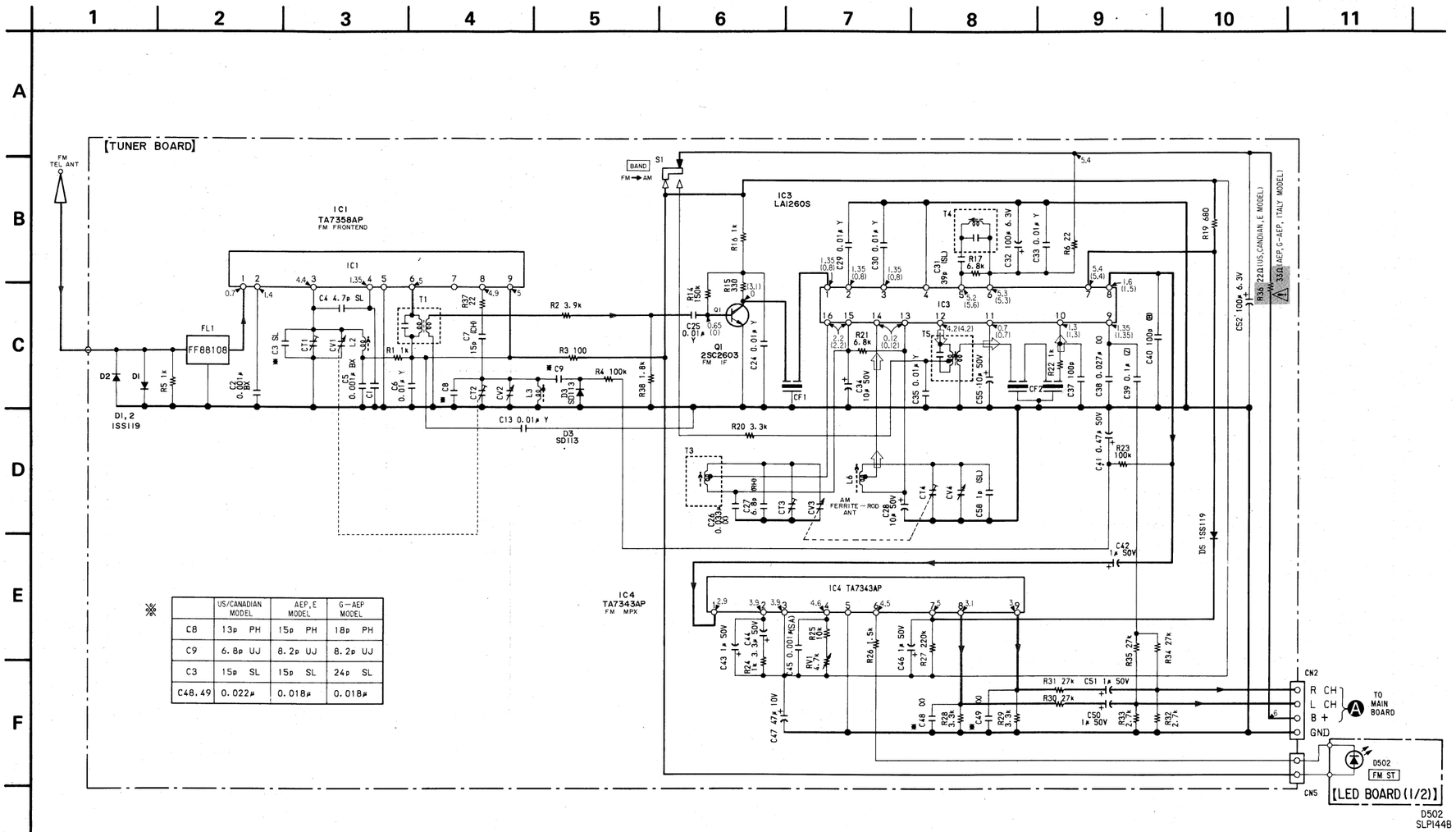


Note:

- All capacitors are in μF unless 50WV or less are not indicate and tantalums.
- All resistors are in Ω and ¼ W specified.
- : fusible resistor.
- : B+ bus.
- : adjustment for repair.
- Power voltage is DC 9 V and fe supply from AC/DC inlet.
- Readings are taken under no-si VOM (50 kΩ/V).
  no mark : FM
  ( ) : AM
- : signal path.
- : AM

SECTION 4
DIAGRAMS

4-1. SCHEMATIC DIAGRAM — TUNER SECTION —



※	US/CANADIAN MODEL	AEP, E MODEL	G—AEP MODEL
C8	13p PH	15p PH	18p PH
C9	6.8p UJ	8.2p UJ	8.2p UJ
C3	15p SL	15p SL	24p SL
C48, 49	0.022μ	0.018μ	0.018μ

Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.
- : fusible resistor.
- : B+ bus.
- : adjustment for repair.
- Power voltage is DC 9 V and fed with regulated dc power supply from AC/DC inlet.
- Readings are taken under no-signal conditions with a VOM (50 kΩ/V).
  no mark : FM
  ( ): AM
- : signal path.
- : AM

- Switch

Ref. No.	Switch	Position
S1	BAND	FM

Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par un tramé et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

FREQUENCY COVERAGE ADJUSTMENT

ust for a maximum reading /TVM.	
CT1	109.5 MHz (107.8 MHz) [108 MHz]
L3	86.7 MHz (87.35 MHz) [87.5 MHz]

G-AEP model
TALY model

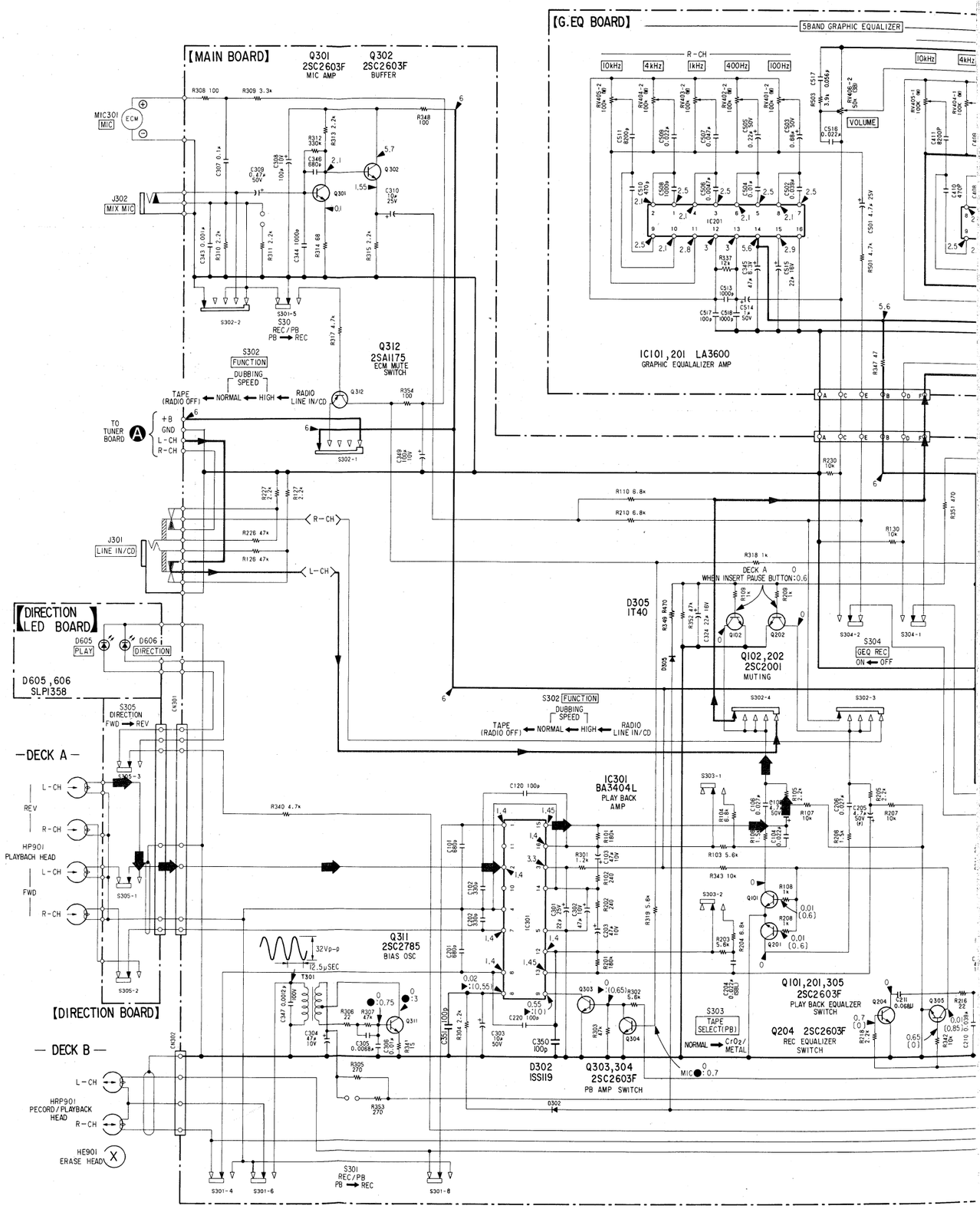
Note:

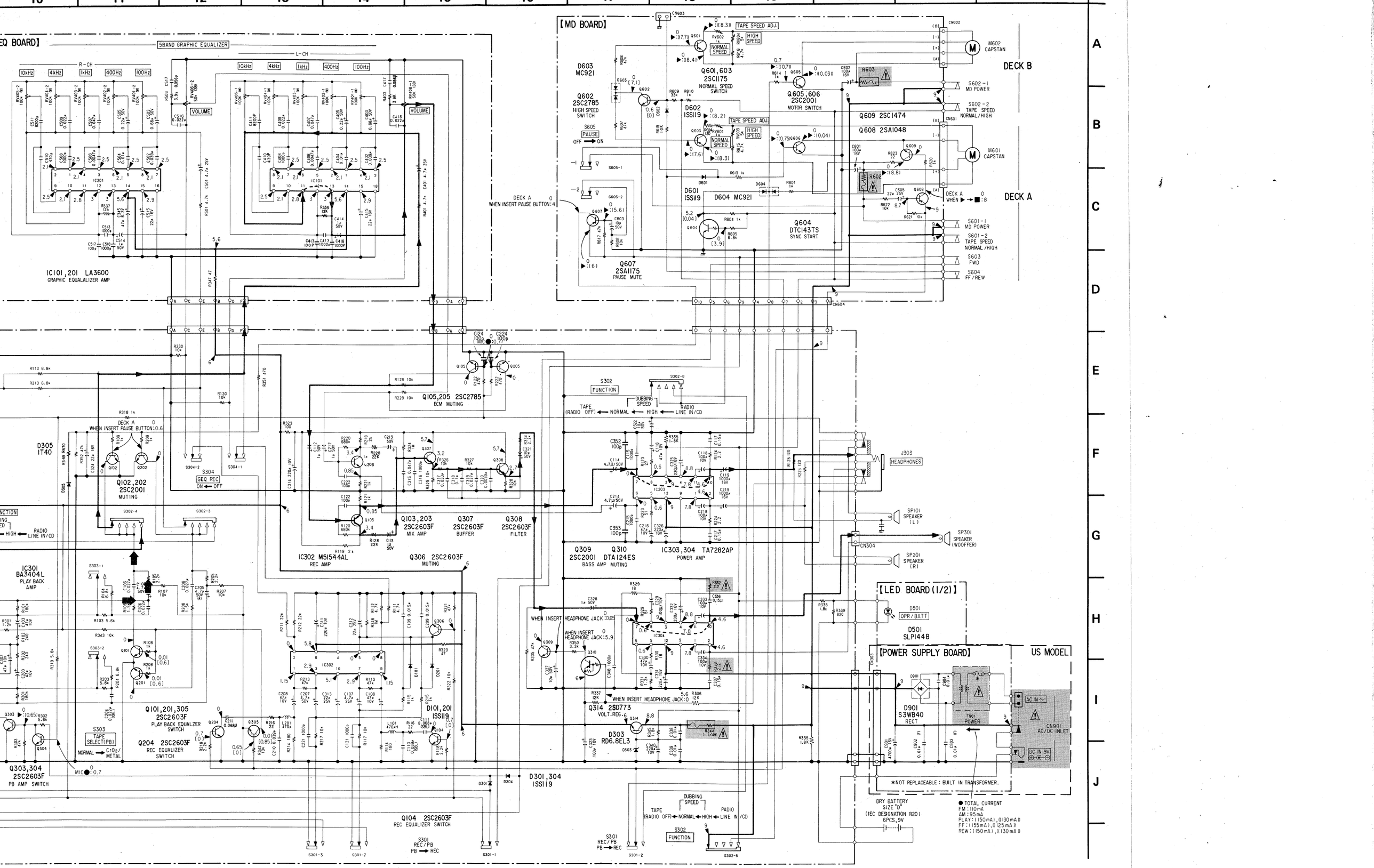
- All capacitors are in μF unless noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.
- : fusible resistor.
- : B+ bus.
- : adjustment for repair.
- Power voltage is DC 9 V and fed with regulated dc power supply from AC/DC inlet.
- Readings are taken under no-signal conditions with a VOM (50 kΩ/V).
  no mark : FM
  ( ) : AM
- Waveforms are taken to ground in mode by using oscilloscope.
- : FM
  : PLAYBACK
- Switch

Ref. No.	Switch	Position
S301	RECORD/PLAYBACK	PLAYBACK
S302	FUNCTION	RADIO (LINE IN/CD)
S303	TAPE SELECT (PB)	NORMAL
S304	GEQ REC	OFF
S601	MD POWER/DECK A	OFF
S602	MD POWER/DECK B	OFF
S603	FWD-DECK A	OFF
S604	FF/REW-DECK A	OFF
S605	PAUSE	OFF

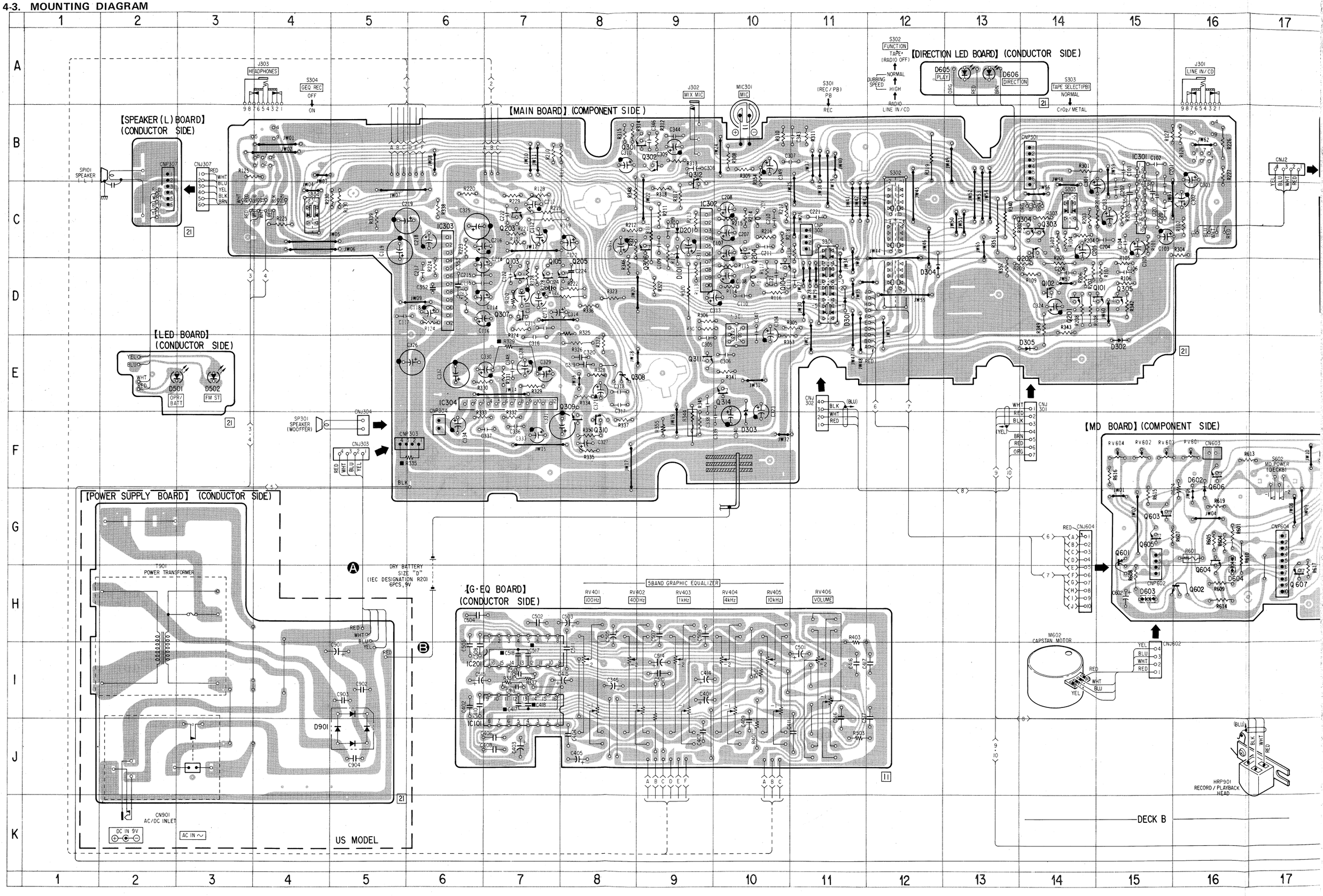
Note: The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par un tramé et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

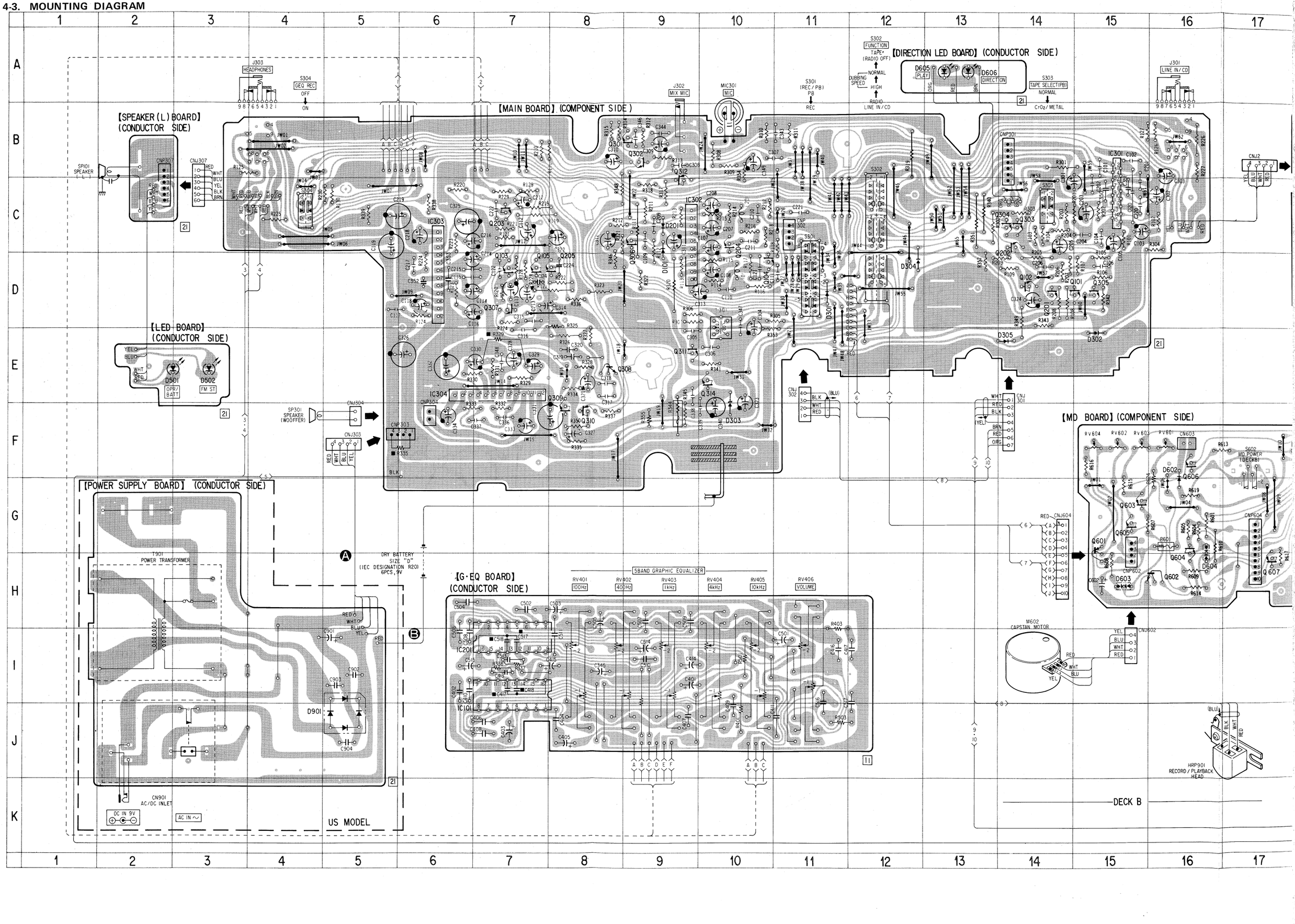


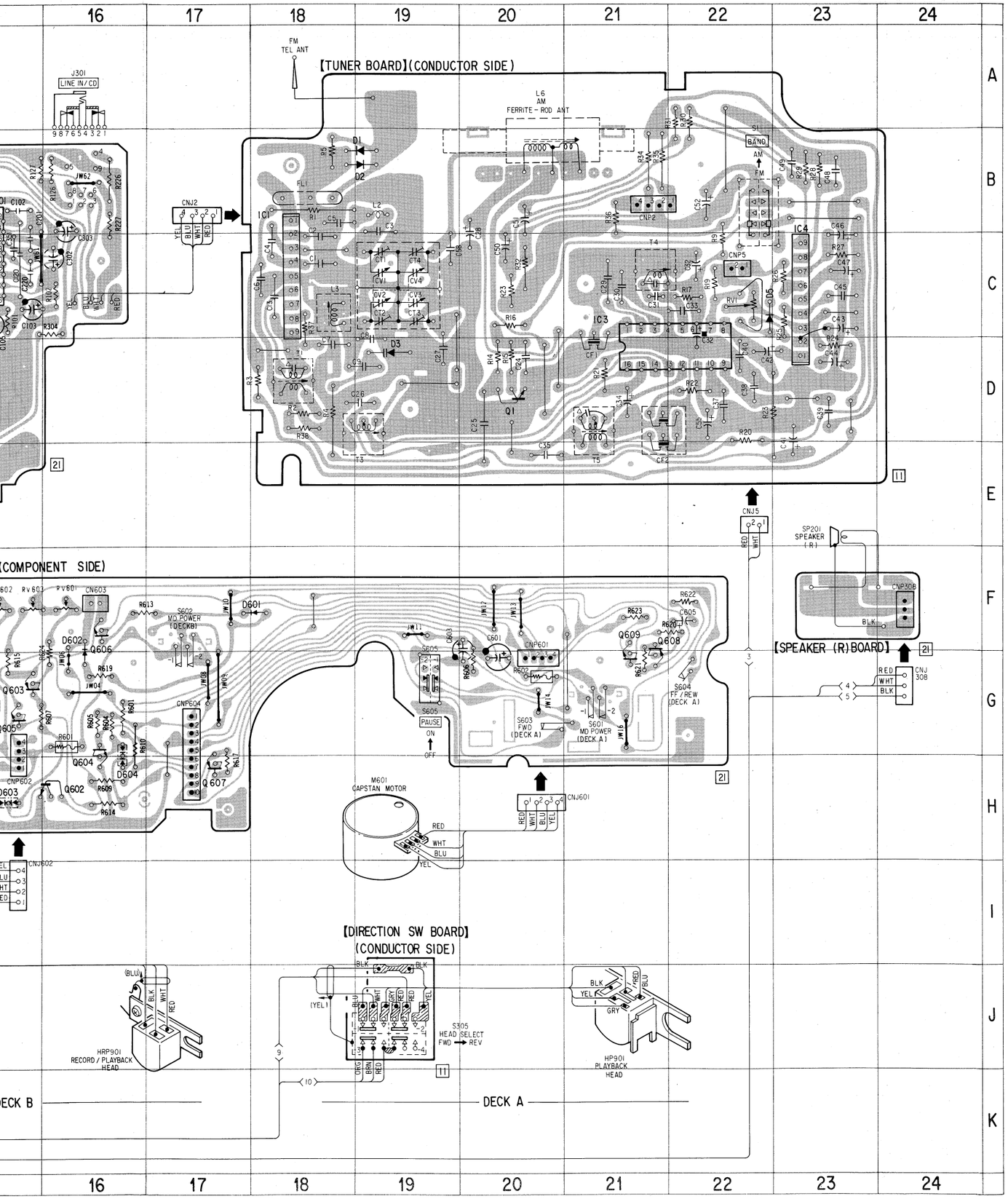

10
11
12
13
14
15
16
17
18
19
20
21
22
A
B
C
D
E
F
G
H
I
J
【EQ BOARD】
5BAND GRAPHIC EQUALIZER
R-CH
L-CH
10kHz
4kHz
1kHz
400Hz
100Hz
VOLUME
IC101,201 LA3600
GRAPHIC EQUALALIZER AMP
【MD BOARD】
CN603
CN602
CN601
CN604
TAPE SPEED ADJ.
NORMAL SPEED
HIGH SPEED
Q601,603 2SC1175
NORMAL SPEED SWITCH
Q602 2SC2785
HIGH SPEED SWITCH
Q605,606 2SC2001
MOTOR SWITCH
Q609 2SC1474
Q608 2SA1048
D603 MC921
D602 ISS119
D601 ISS119
D604 MC921
Q604 DTC143TS
SYNC START
Q607 2SA1175
PAUSE MUTE
S605 PAUSE
OFF → ON
M602 CAPSTAN
M601 CAPSTAN
DECK B
DECK A
S602-1 MD POWER
S602-2 TAPE SPEED NORMAL/HIGH
S601-1 MD POWER
S601-2 TAPE SPEED NORMAL/HIGH
S603 FWD
S604 FF/REW
DECK A WHEN INSERT PAUSE BUTTON:0
DECK A WHEN ■:8
Q105,205 2SC2785
ECM MUTING
S302 FUNCTION
TAPE (RADIO OFF) ← NORMAL ← HIGH ← RADIO LINE IN/CD
DUBBING SPEED
S304 GEQ REC ON ← OFF
Q102,202 2SC2001
MUTING
IC302 M51544AL
REC AMP
Q103,203 2SC2603F
MIX AMP
Q307 2SC2603F
BUFFER
Q308 2SC2603F
FILTER
Q309 Q310 2SC2001 DTA124ES
BASS AMP MUTING
IC303,304 TA7282AP
POWER AMP
J303 HEADPHONES
SP101 SPEAKER (L)
SP301 SPEAKER (WOOFFER)
SP201 SPEAKER (R)
CN304
IC301 BA3404L
PLAY BACK AMP
Q306 2SC2603F
MUTING
WHEN INSERT HEADPHONE JACK:0.65
WHEN INSERT HEADPHONE JACK:5.9
WHEN INSERT HEADPHONE JACK:0
Q314 2SD773
VOLT.REG-6
D303 RD6.8EL3
【LED BOARD(1/2)】
D501 OPR/BATT
D501 SLP144B
【POWER SUPPLY BOARD】
US MODEL
D901 S3WB40 RECT
T901 POWER
CN901 AC/DC INLET
AC IN ~
DC IN 9V
*NOT REPLACEABLE : BUILT IN TRANSFORMER.
DRY BATTERY SIZE "b" (IEC DESIGNATION R20) 6PCS,9V
● TOTAL CURRENT
FM : 110mA
AM : 95mA
PLAY : (150mA), ((130mA))
FF : (155mA), ((125mA))
REW : (150mA), ((130mA))
Q101,201,305 2SC2603F
PLAY BACK EQUALIZER SWITCH
Q204 2SC2603F
REC EQUALIZER SWITCH
Q303,304 2SC2603F
PB AMP SWITCH
Q104 2SC2603F
REC EQUALIZER SWITCH
D101,201 ISS119
D301,304 ISS119
S303 TAPE SELECT(PB)
NORMAL → CrO2/METAL
S301 REC/PB PB → REC
MIC ●:0.7
D305 IT40
Q102 Q202
S304-1
S304-2
S302-1
S302-2
S302-3
S302-4
S302-5
S301-1
S301-2
S301-3
S301-7

4-3. MOUNTING DIAGRAM



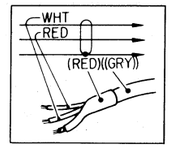
4-3. MOUNTING DIAGRAM





Note:

- Color code or sleeving over the end of the jacket.



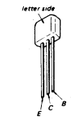
- ○— : parts extracted from the component side.
- ●— : parts extracted from the conductor side.
- ■ : part mounted on the conductor side.
- ⬚ : indicates side identified with part number.

• SEMICONDUCTOR LOCATION

Ref. No.	Location
D1	B-19
D2	B-19
D3	D-19
D5	C-22
D101	D-9
D201	C-9
D301	D-11
D302	E-15
D303	F-10
D304	D-12
D305	E-14
D501	E-2
D502	E-3
D601	F-18
D602	F 16
D603	H-15
D604	H-16
D605	A-13
D606	A-13
D901	J-5
IC1	C-18
IC3	C-21
IC4	C-23
IC101	I-7
IC201	I-7
IC301	B-15
IC302	C-9
IC303	C-6
IC304	E-6
Q1	D-20
Q101	D-15
Q102	D-14
Q103	D-7
Q104	D-10
Q105	D-7
Q201	D-14
Q202	C-14
Q203	C-7
Q204	C-10
Q205	D-8
Q301	B-9
Q302	B-9
Q303	C-14
Q304	C-14
Q305	D-15
Q306	C-9
Q307	D-7
Q308	E-8
Q309	F-8
Q310	F-8
Q311	E-9
Q312	B-9
Q314	E-10
Q601	G-15
Q602	H-16
Q603	G-15
Q604	H-16
Q605	G-15
Q606	F-16
Q607	H-17
Q608	F-21
Q609	F-21

• Semiconductor Lead Layouts

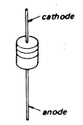
2SA1175
2SC2785



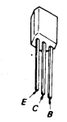
TA7282AP

2SC2001
RN2203

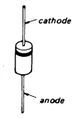
1SS119



2SC2603F
2SC2724-C
DTC143TS

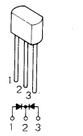


1S2687S-1
RD6.8EL3

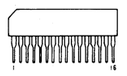


2SD773

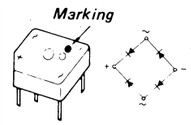
MC921



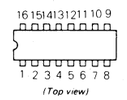
BA3404L



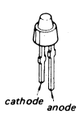
S3WB608



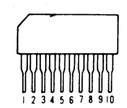
LA1260S
LA3600



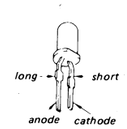
SLP144B



M51544AL

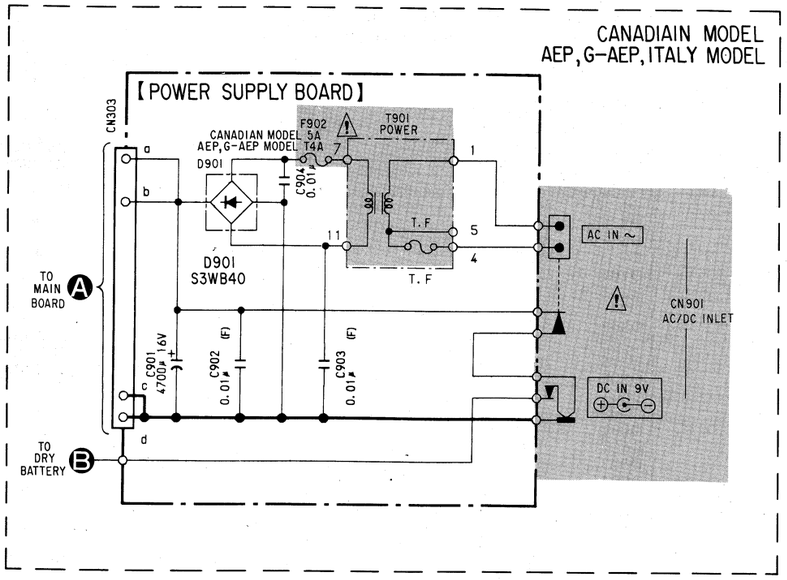


TCR124

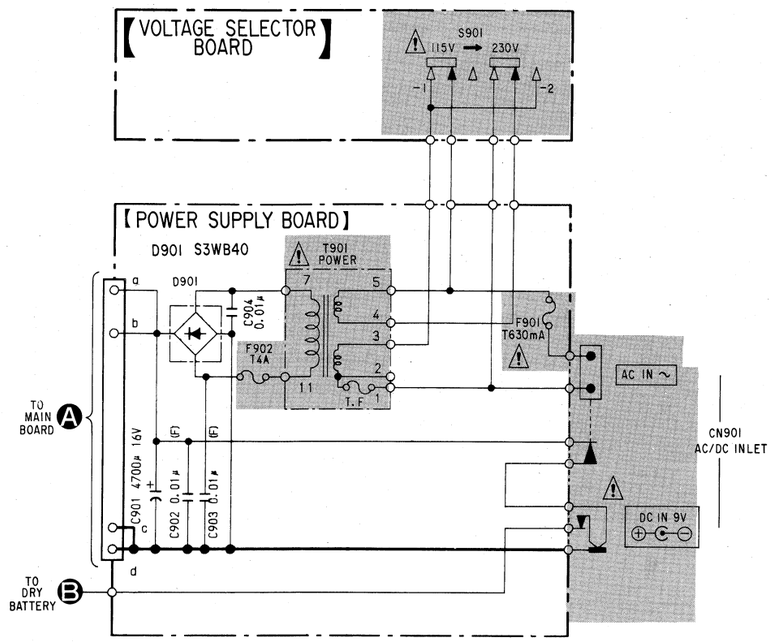


TA7343AP
TA7358AP

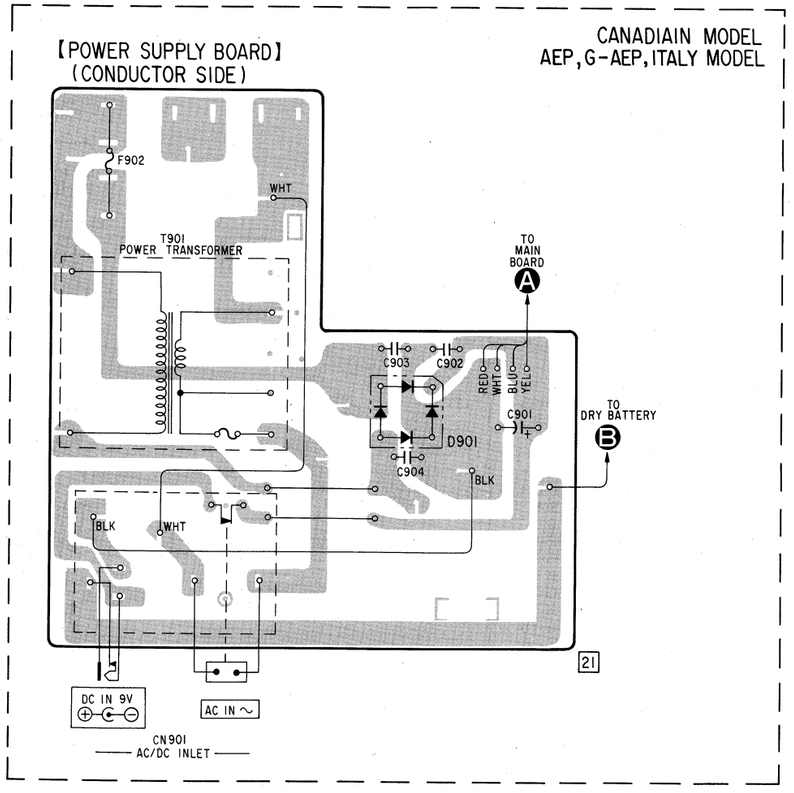
CANADIAIN MODEL
AEP,G-AEP,ITALY MODEL



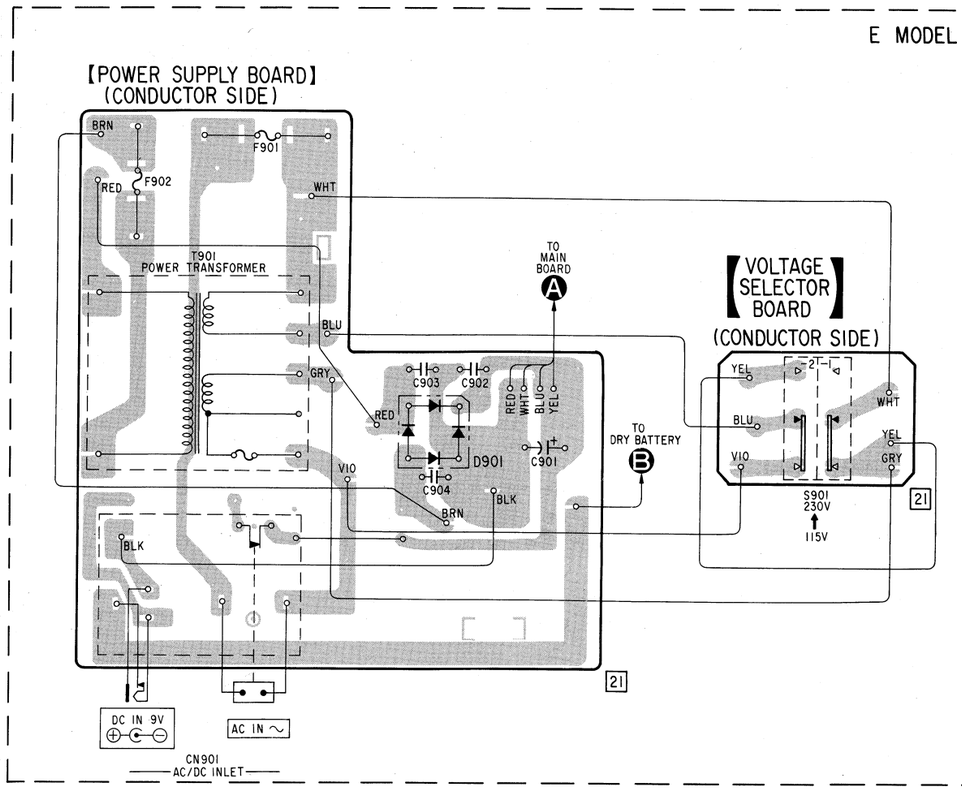
E MODEL



CANADIAIN MODEL
AEP,G-AEP,ITALY MODEL



E MODEL

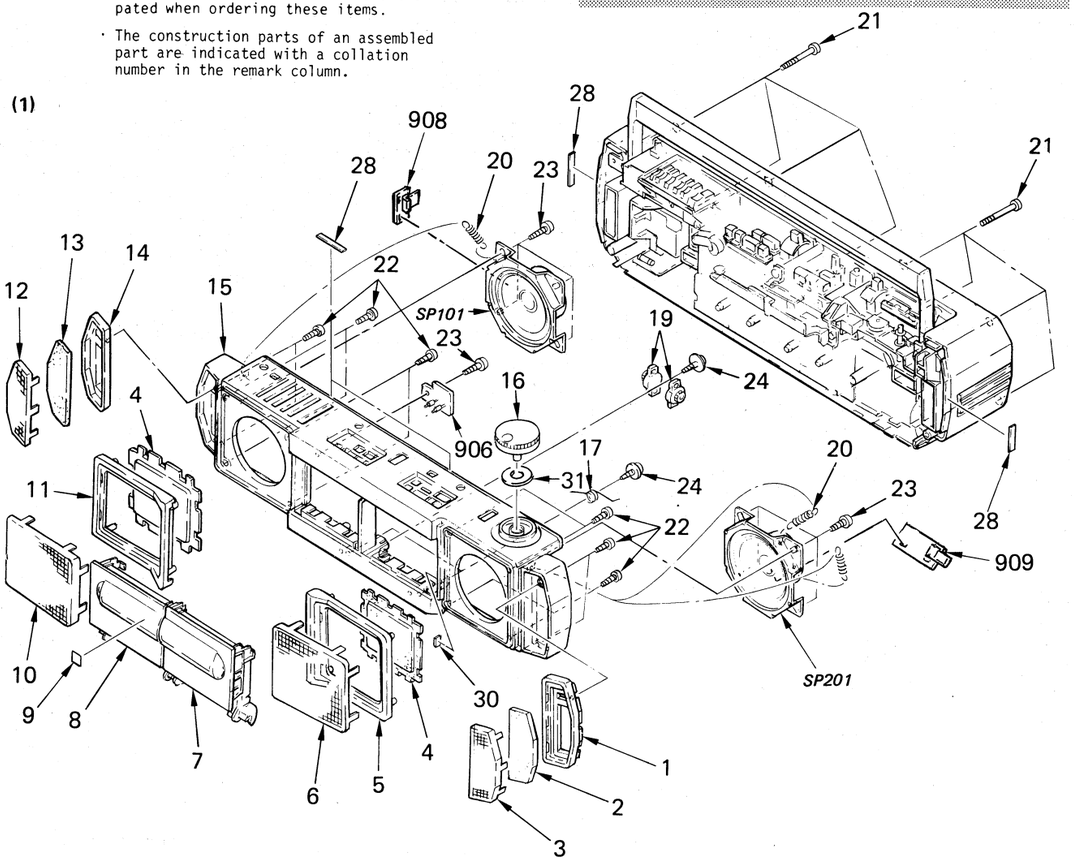


SECTION 5
EXPLODED VIEWS AND PARTS LIST

NOTE:
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked " ★ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

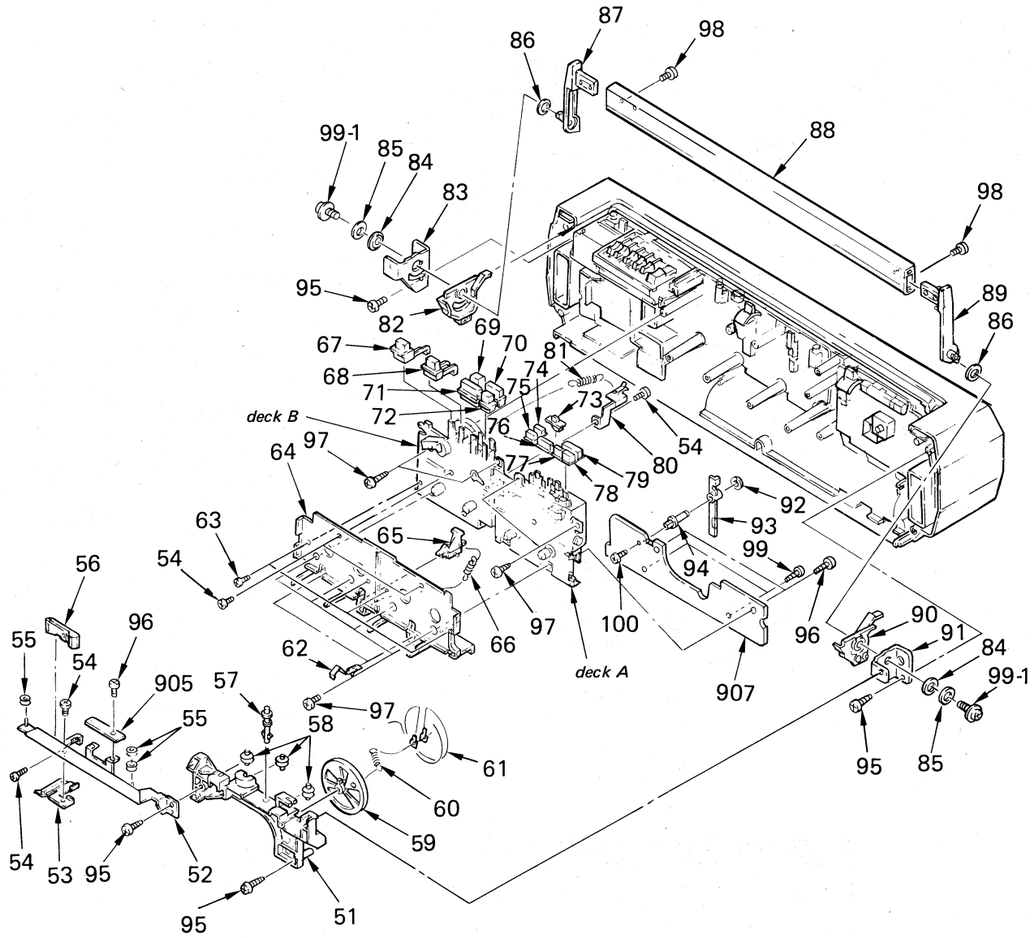
The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

(1)



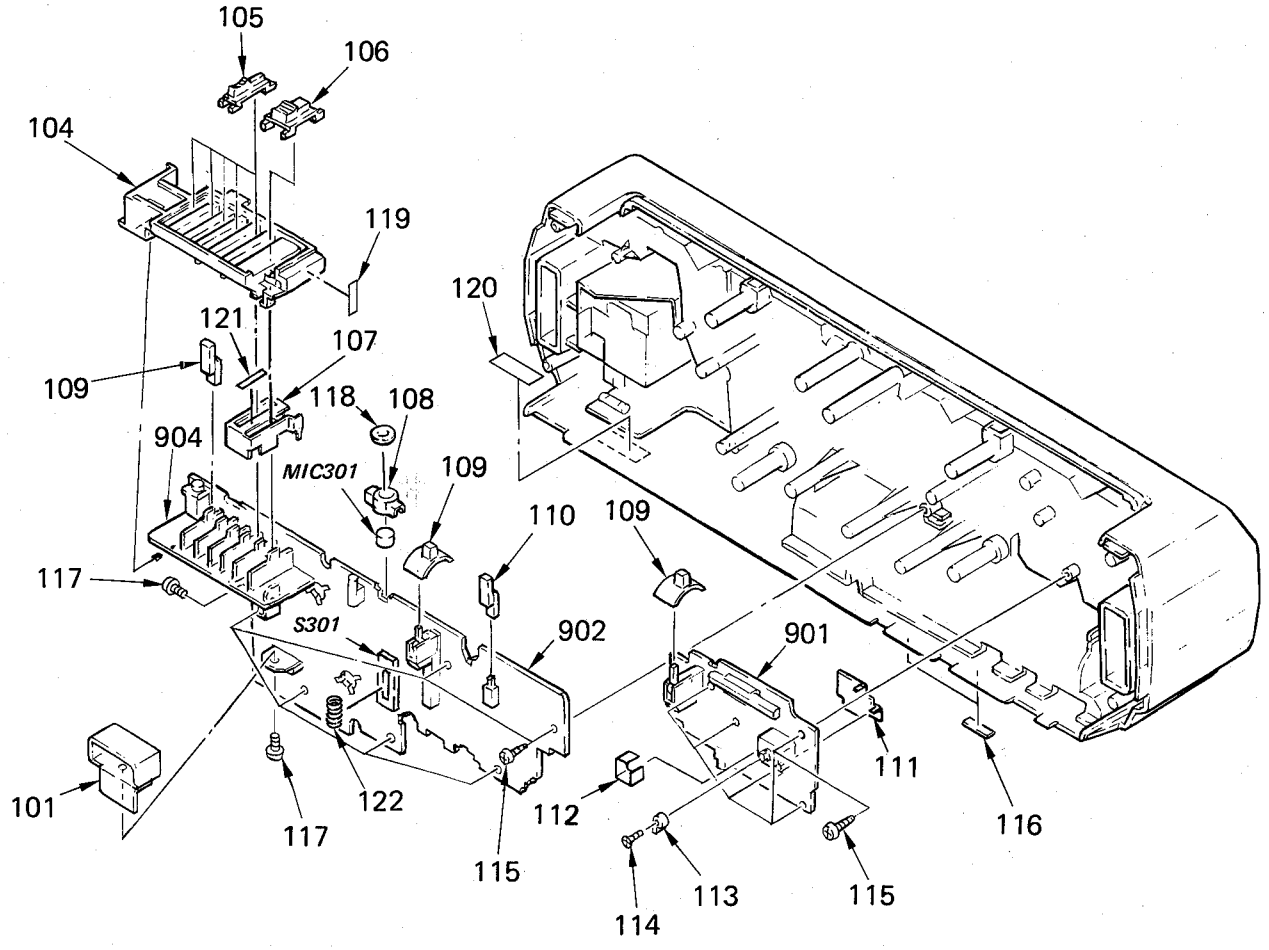
No.	Part No.	Description	Remarks
1	3-334-152-01	(US,Canadian,E).....GRILLE(RIGHT), PHONE	
	3-334-152-21	(AEP,G-AEP,ITALY)...GRILLE(RIGHT), PHONE	
2	3-334-156-01	MASK (RIGHT), PHONE	
3	3-334-154-01	NET (RIGHT), HORN	
4	3-334-131-01	(AEP,G-AEP,E,Canadian,ITALY)...MASK, SP	
	3-334-131-21	(US).....MASK, SP	
5	3-334-148-01	(US,Canadian,E).....GRILLE (RIGHT), SP	
	3-334-148-21	(AEP,G-AEP,ITALY)...GRILLE (RIGHT), SP	
6	3-334-150-01	NET (RIGHT), SP	
7	X-3334-128-1	(US,Canadian,E)....HOLDER (A)ASSY, CASSETTE	
	X-3334-130-1	(AEP,G-AEP,ITALY)..HOLDER (A)ASSY, CASSETTE	
8	X-3334-129-1	(US,Canadian,E)....HOLDER (B)ASSY, CASSETTE	
	X-3334-131-1	(AEP,G-AEP,ITALY)..HOLDER (B)ASSY, CASSETTE	
9	3-703-707-01	STICKER, SONY SYMBOL (21)	
10	3-334-151-01	NET (LEFT), SP	
11	3-334-149-01	(US,Canadian,E).....GRILLE (LEFT), SP	
	3-334-149-21	(AEP,G-AEP,ITALY)...GRILLE (LEFT), SP	
12	3-334-155-01	NET (LEFT), HORN	
13	3-334-157-01	MASK (LEFT), PHONE	
14	3-334-153-01	(US,Canadian,E).....GRILLE (LEFT), PHONE	
	3-334-153-21	(AEP,G-AEP,ITALY)...GRILLE (LEFT), PHONE	
15	X-3334-132-1	(Canadian,E1/2,E3/4)..CABINET ASSY, FRONT	
	X-3334-133-1	(US).....CABINET ASSY, FRONT	
	X-3334-134-1	(G-AEP)...CABINET ASSY, FRONT	
	X-3334-135-1	(AEP).....CABINET ASSY, FRONT	
	X-3334-137-1	(ITALY)...CABINET ASSY, FRONT	
16	3-334-120-01	KNOB, TUNING	
17	3-334-121-01	SPRING	
19	3-319-224-01	DAMPER, SMALL	
20	3-642-562-11	SPRING, TENSION	
21	3-334-187-01	SCREW (3X48), TAPPING, + BV	
22	3-334-190-01	SCREW (M2.6X10), TAPPING, + BV	
23	7-685-647-71	SCREW +BVTP 3X10 TYPE2 IT-3	
24	3-334-705-01	SCREW (+ PTP DIA.12 WH 3)	
28	3-831-441-XX	CUSHION, SPEAKER	
31	3-334-185-01	SPACER (I)	
906	*1-619-058-11	PC BOARD, OP/BATT LED	
908	*1-619-061-11	PC BOARD, SPEAKER (L)	
909	*1-619-062-11	PC BOARD, SPEAKER (R)	
SP101	1-503-631-11	SPEAKER	
SP201	1-503-631-11	SPEAKER	

(2)



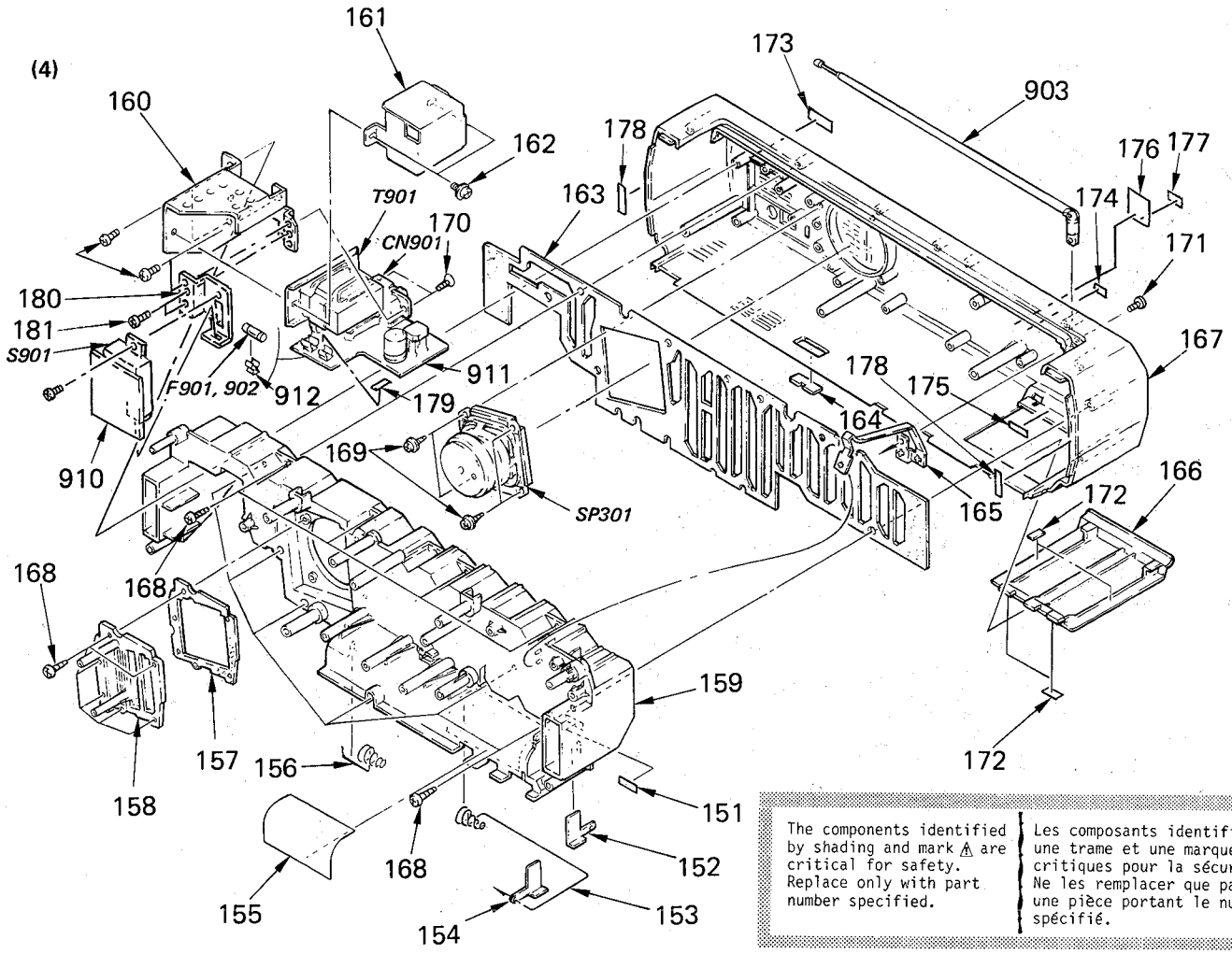
No.	Part No.	Description	Remarks
51	*3-334-161-01	CHASSIS (T)	
52	*X-3334-102-1	PLATE ASSY, BACK	
53	*3-334-175-01	GUIDE	
54	3-317-552-51	SCREW (M1.7X2.5)	
55	3-834-636-00	PULLEY	
56	*3-334-115-01	POINTER	
57	3-325-618-01	SHAFT, TU	
58	3-564-506-00	PULLEY (A)	
59	*3-325-632-01	DRUM, DIAL	
60	3-325-694-01	SPRING, TENSION	
61	9-911-825-42	STRING, 0.5MM WHITE	
62	3-334-118-01	SPRING	
63	3-329-301-01	SCREW (2.6X3)(S TIGHT), TAPPING	
64	3-334-163-01	COVER, MD	
65	3-334-122-01	CLAW, ERASING PROTECTION	
66	3-535-355-00	SPRING, TENSION	
67	3-325-634-01	BUTTON, FF	
68	3-325-635-01	BUTTON, REW	
69	3-325-637-01	BUTTON, PAUSE	
70	3-325-638-01	BUTTON, STOP	
71	3-325-639-01	BUTTON, PLAY	
72	3-325-636-01	BUTTON, REC	
73	3-334-119-01	KNOB, DIRECTION MODE	
74	3-334-145-01	BUTTON, PAUSE	
75	3-334-144-01	BUTTON, DIRECTION	
76	3-334-142-01	BUTTON (PB), PLAY	
77	3-334-140-01	BUTTON, FF	
78	3-334-141-01	BUTTON (PB), REW	
79	3-334-143-01	BUTTON (PB), STOP/EJECT	
80	*X-3334-108-1	PLATE ASSY, REC	
81	3-530-260-00	SPRING, TENSION	
82	3-334-135-01	COVER (LEFT), HANDLE	
83	*3-334-123-01	BRACKET (LEFT), HANDLE	
84	3-334-116-01	COLLAR, HANDLE	
85	3-566-528-00	WASHER, FRICTION	
86	3-701-445-01	WASHER	
87	3-334-127-01	PLATE (LEFT), SIDE, HANDLE	
88	3-334-125-51	HANDLE	
89	3-334-126-01	PLATE (RIGHT), SIDE, HANDLE	
90	3-334-134-01	COVER (RIGHT), HANDLE	
91	*3-334-124-01	BRACKET (RIGHT), HANDLE	
92	3-325-697-01	WASHER	
93	*3-325-626-01	LEVER, SELECTION	
94	*3-325-625-01	SHAFT, REC	
95	7-685-647-71	SCREW +BVTP 3X10 TYPE2 IT-3	
96	7-685-790-04	SCREW +BVTT 2.6X4 (S)	
97	7-685-147-19	SCREW +BTP 3X10 TYPE2 N-S	
98	7-685-645-14	SCREW +BVTP 3X6 TYPE2 N-S	
99-1	7-682-904-11	SCREW +PWH 4X8	
99-2	7-685-134-14	SCREW +P 2.6X8 TYPE2 NON-SLIT	
100	7-621-955-15	SCREW (2MMX3), + PWH	
905	*1-619-057-11	PC BOARD, DIR LED	
907	*1-619-059-11	PC BOARD, MD	

(3)



No.	Part No.	Description	Remarks
101	*3-334-179-01	HEAT SINK	
104	*3-334-160-01	CHASSIS (G)	
105	3-334-138-01	KNOB (V)	
106	3-334-139-01	KNOB (G)	
107	*3-334-108-01	PLATE (G), SHIELD	
108	3-319-915-01	CUSHION, MICROPHONE	
109	3-325-602-21	KNOB, LEVER	
110	3-325-617-11	KNOB, TAPE SL	
111	*3-334-199-01	PLATE (T), SHIELD	
112	*3-334-198-01	PLATE (F), SHIELD	
113	3-305-625-00	CAP, TUNING CAPACITOR	
114	3-880-990-00	(G-AEP,US,Canadian,E,ITALY) ...SCREW (1.7X3), FLAT, (+) SPECIAL	
115	7-685-647-71	SCREW +BVTP 3X10 TYPE2 IT-3	
118	3-323-837-01	CUSHION (E)	

No.	Part No.	Description	Remarks
119	3-831-441-XX	CUSHION (B)	
120	3-703-044-26	(Canadian)...LABEL, CAUTION	
121	3-559-444-00	CUSHION, ECM	
122	3-334-196-01	SPRING, COMPRESSION	
901	*A-3216-065-A	(US,Canadian)...PC BOARD ASSY, RADIO	
	*A-3216-070-A	(G-AEP,ITALY)...PC BOARD ASSY, RADIO	
	*A-3216-072-A	(E).....PC BOARD ASSY, RADIO	
	*A-3216-105-A	(AEP).....PC BOARD ASSY, RADIO	
902	*A-3260-468-A	(US).....MOUNTED PCB, MAIN	
	*A-3260-476-A	(E).....MOUNTED PCB, MAIN	
	*A-3260-487-A	(Canadian).....MOUNTED PCB, MAIN	
	*A-3260-498-A	(AEP,G-AEP,ITALY)...MOUNTED PCB, MAIN	
904	*1-619-056-11	PC BOARD, GRAPHIC EQUALIZER	



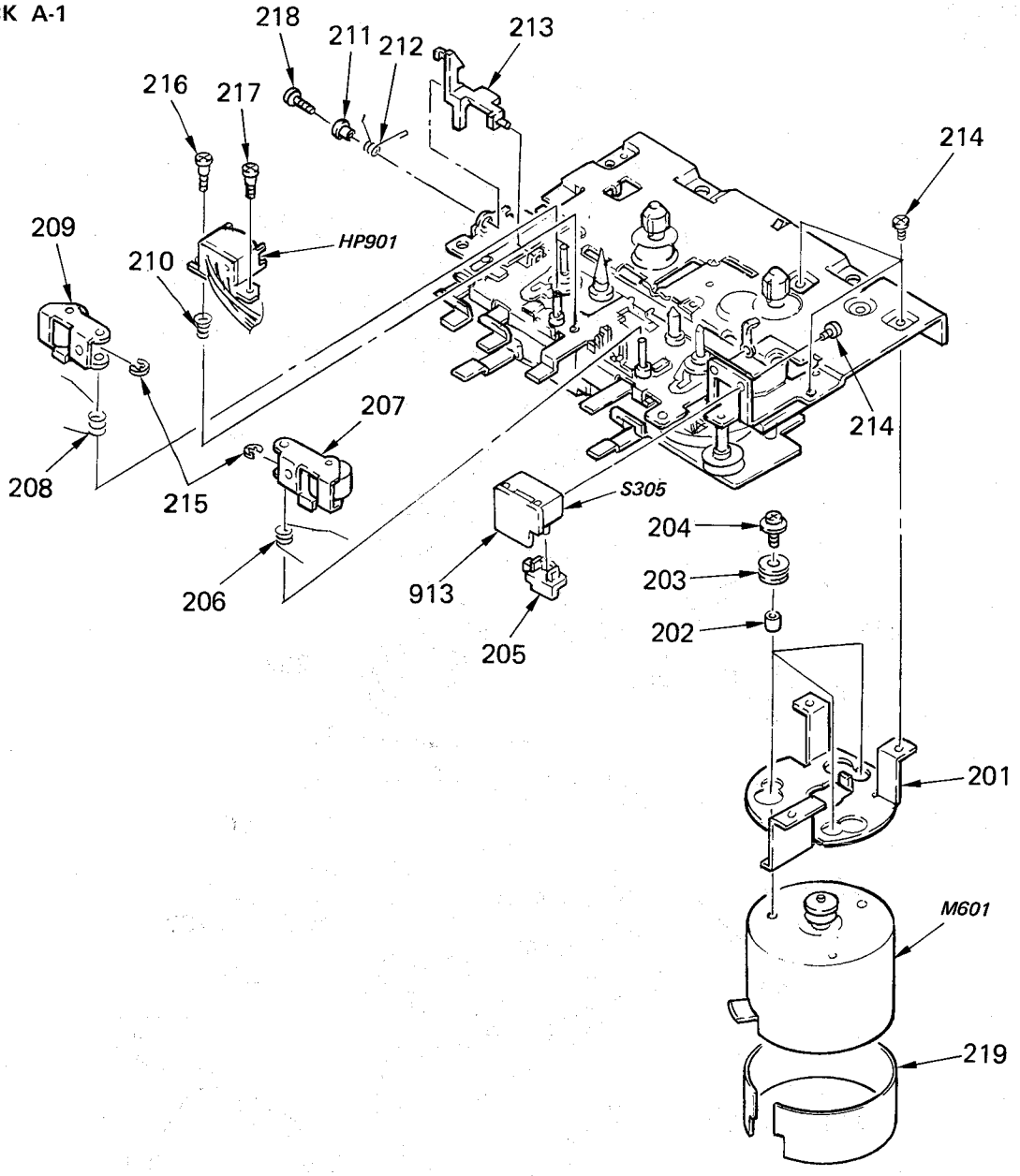
The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

No.	Part No.	Description	Remarks
152	3-334-106-01	TERMINAL BOARD (RIGHT)	
153	3-334-114-01	SPRING (A)	
154	3-334-107-01	TERMINAL BOARD (LEFT)	
155	*3-334-168-01	LABEL, SERVICE	
156	3-334-105-01	SPRING (B)	
157	*3-334-109-01	(AEP,G-AEP,E,ITALY,Canadian) .....SPACER (D2)	
	*3-334-109-11	(US).....SPACER (D2)	
158	*3-334-146-01	COVER, SP	
159	*3-334-167-01	CHASSIS (D)	
160	*3-334-136-01	BRACKET, TRANSFORMER	
161	*3-334-169-01	PLATE (T), SHIELD	
162	3-703-249-01	SCREW, S TIGHT, +PTTWH 3X6	
163	*3-334-166-01	SPACER (D1)	
164	3-334-133-01	COVER, ADJUSTMENT	
165	*3-334-113-01	TERMINAL BOARD, ANTENNA	
166	3-334-137-01	LID, BATTERY CASE	
167	3-334-165-31	(AEP,G-AEP,Canadian,ITALY) ....CABINET (REAR)	
	3-334-165-61	(E).....CABINET (REAR)	
	3-334-165-71	(US).....CABINET (REAR)	
168	7-685-648-71	SCREW +BVTP 3X12 TYPE2 IT-3	
169	7-685-647-71	SCREW +BVTP 3X10 TYPE2 IT-3	
170	7-685-247-29	SCREW +KTP 3X10 TYPE2 SLIT	
171	7-682-547-09	SCREW +B 3X6	
172	3-831-441-XX	SPACER	
173	*3-703-845-01	(US,Canadian)...LABEL (N), MAIN CAUTION	
174	*3-701-999-00	(US).....LABEL, SERIAL NUMBER	
175	3-330-644-01	(AEP,G-AEP,E,Canadian,ITALY) .....LABEL, SERIAL NUMBER (PRINTER)	

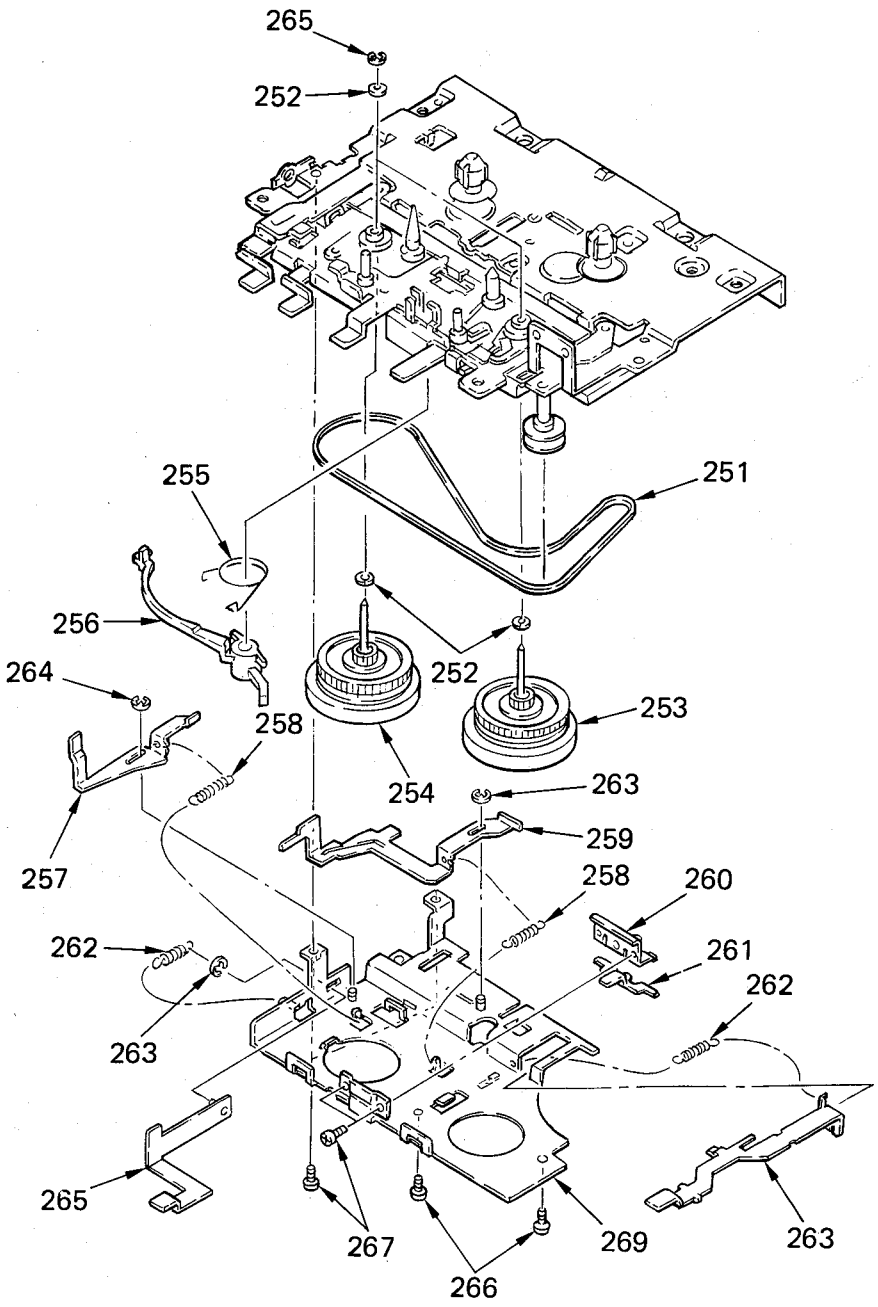
No.	Part No.	Description	Remarks
176	3-334-191-01	(AEP).....LABEL, MODEL NUMBER (AE1)	
	3-334-192-01	(E).....LABEL, MODEL NUMBER (E)	
	3-334-193-01	(Canadian)...LABEL, MODEL NUMBER (CA)	
	3-334-195-01	(G-AEP).....LABEL, MODEL NUMBER (AE4)	
	3-334-197-01	(ITALY).....LABEL, MODEL NUMBER (IT1)	
177	*3-334-194-01	(G-AEP)...LABEL, DBP MARK	
178	3-831-441-XX	CUSHION, SPEAKER	
179	3-701-946-27	(Canadian)...LABEL, FUSE	
180	*3-334-189-01	(E)...BRACKET, SELECTOR	
181	7-685-646-71	SCREW +BVTP 3X8	
903	1-501-231-00	ANTENNA, TELESCOPIC (SW/FM)	
910	*1-620-096-11	(E)...PC BOARD, VOLTAGE CHANGE	
911	*1-620-099-11	(E).....PC BOARD, POWER	
	*1-620-099-21	(AEP,G-AEP,Canadian,ITALY) ....PC BOARD, POWER	
912	1-533-189-11	HOLDER, FUSE	
CN901⚠	1-526-796-11	(US,Canadian).....INLET, AC/DC 2P	
CN901⚠	1-526-797-11	(AEP,G-AEP,E,ITALY)...INLET, AC/DC 2P	
F901⚠	1-532-284-00	(E).....FUSE, TIME-LAG, 630mA	
F902⚠	1-532-350-00	(AEP,G-AEP,E,ITALY)...FUSE, TIME-LAG	
F902⚠	1-532-747-11	(Canadian).....FUSE, GLASS TUBE, 5A	
S901⚠	1-554-752-11	(E)....SWITCH, VOLTAGE CHANGE	
SP301	1-503-632-11	SPEAKER	
T901⚠	1-448-672-11	(Canadian)...TRANSFOMER, POWER	
T901⚠	1-448-673-11	(AEP,G-AEP,ITALY)...TRANSFORMER, POWER	
T901⚠	1-448-674-11	(E).....TRANSFOMER, POWER	
T901⚠	1-448-708-11	(US).....TRANSFOMER, POWER	

(5) DECK A-1



No.	Part No.	Description	Remarks
201	*3-391-031-01	BRACKET, MOTOR	
202	3-391-007-01	BUSHING, WINDING	
203	3-391-006-01	RUBBER, CUSHION	
204	3-391-005-01	SCREW (M2.6X4.5)	
205	3-597-309-01	ARM, SW SELECTION	
206	3-391-012-01	SPRING (F), PINCH ARM	
207	3-597-306-01	ARM (F) ASSY, PINCH	
208	3-391-013-01	SPRING (R), PINCH ARM	
209	3-597-305-01	ARM (R) ASSY, PINCH	
210	3-597-342-01	SPRING	
211	3-391-021-01	COLLAR, HOLDER LOCK	
212	3-391-008-01	SPRING, HOLDER LOCK	
213	3-391-020-01	HOLDER (LOCK)	
214	7-627-556-08	SCREW +P 2.6X2.8	
215	7-624-102-04	STOP RING 1.5, TYPE -E	
216	7-621-771-06	BIND (M2X5), +	
217	7-628-253-05	SCREW +PS 2X4	
218	7-685-105-14	TPG +P 2X8, TYPE 2, NON-SLIT	
219	*3-319-940-01	PLATE, SHIELD, MOTOR	
913	*3-597-335-01	CHASSIS, SW	
HP901	1-543-321-11	HEAD, MAGNETIC (REC/PB)	
M601	3-391-004-01	MOTOR ASSY	

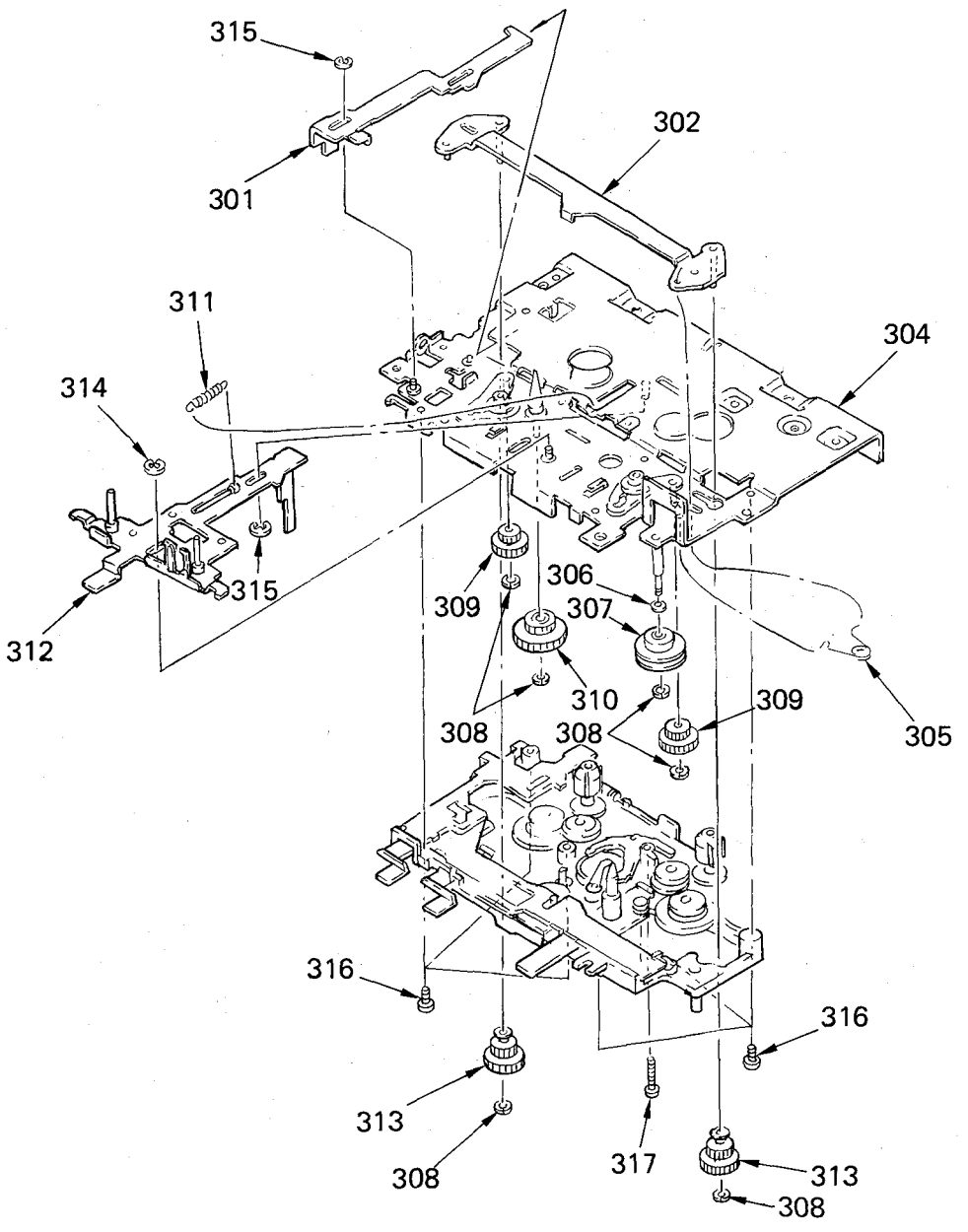
(6) DECK A-2



No.	Part No.	Description	Remarks
251	3-391-014-01	BELT, MAIN	
252	3-701-437-11	WASHER	
253	3-391-041-01	FLYWHEEL ASSY (F)	
254	3-391-042-01	FLYWHEEL ASSY (R)	
255	3-391-009-01	SPRING, MODE ARM	
256	3-391-018-01	ARM, MODE	
257	*3-391-027-01	LEVER, EJECT LOCK	
258	3-391-011-11	SPRING, EJECT LOCK	
259	*3-391-022-01	LEVER, PLAY	
260	*3-391-032-01	GUIDE, MODE LEVER	

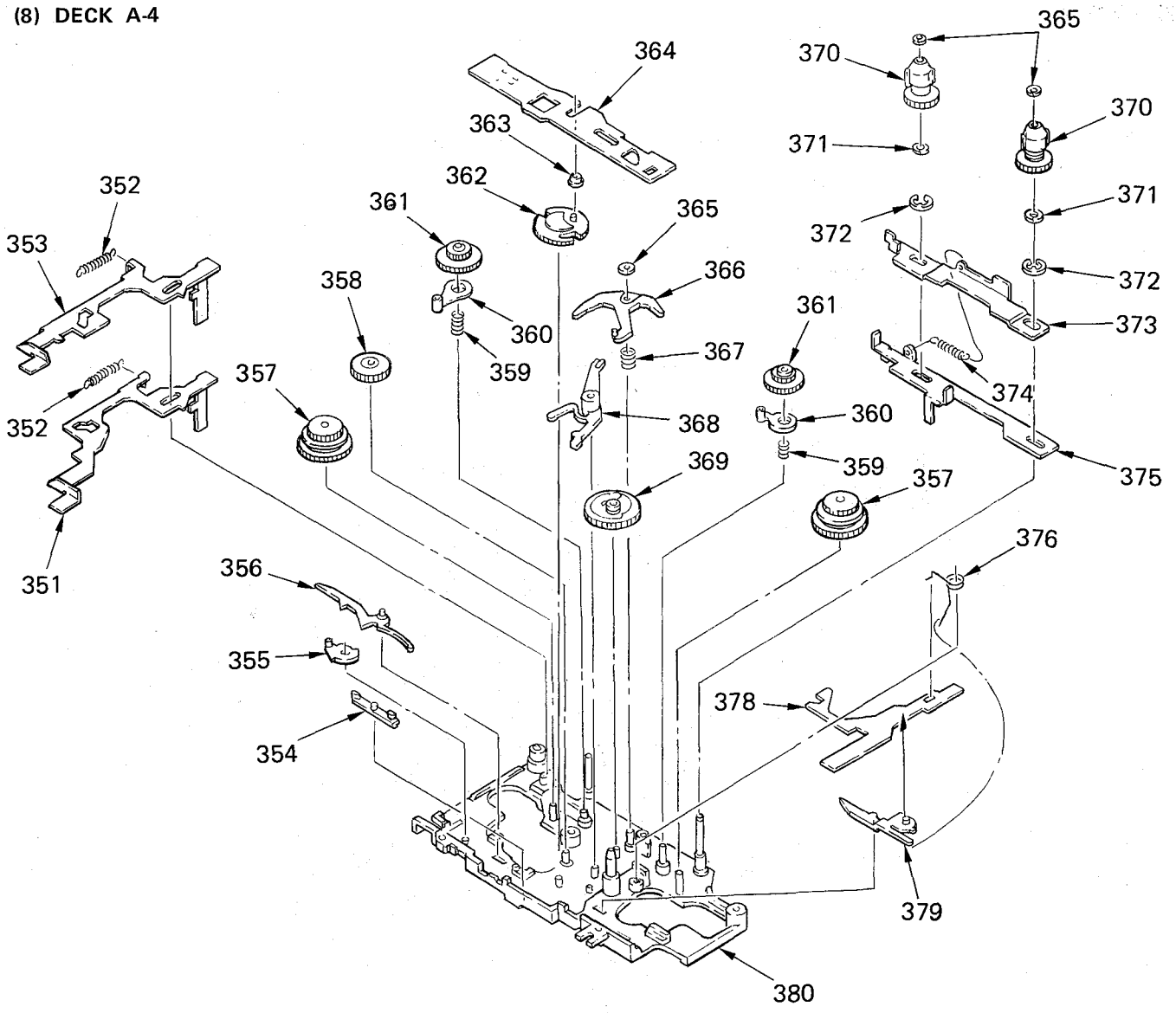
No.	Part No.	Description	Remarks
261	*3-391-029-01	LEVER, MODE	
262	3-391-010-01	SPRING, LEVER	
263	7-624-102-04	STOP RING 1.5, TYPE -E	
264	7-624-104-04	STOP RING 2.0, TYPE -E	
265	3-590-768-00	RING (A), E	
266	7-685-104-14	SCREW +P 2X6 TYPE2 NON-SLIT	
267	7-627-553-18	SCREW, PRECISION +P 2X2	
268	*3-391-028-01	LEVER, PAUSE	
269	*3-391-034-01	PLATE ASSY, BOTTOM	
270	*3-391-036-01	LEVER ASSY, EJECT	

(7) DECK A-3



No.	Part No.	Description	Remarks
301	*3-391-023-01	LEVER, STOP	
302	*3-391-037-01	ARM ASSY, F.R	
304	*3-391-033-01	CHASSIS ASSY	
305	3-597-347-01	SPRING	
306	3-701-436-11	WASHER, 1.6	
307	3-391-039-01	PULLEY ASSY, TENSION	
308	3-315-384-11	WASHER, STOPPER	
309	3-597-330-01	GEAR, T,U	
310	3-391-015-01	GEAR (A), DECELERATION	
311	3-597-341-01	SPRING	
312	*3-391-035-01	BASE ASSY, HEAD	
313	3-391-038-01	GEAR ASSY, F.R	
314	7-624-104-04	STOP RING 2.0, TYPE -E	
315	7-624-102-04	STOP RING 1.5, TYPE -E	
316	7-627-553-58	SCREW, PRECISION +P 2X4.5	
317	7-627-853-88	PRECISION SCREW +P 2X8 TYPE 3	

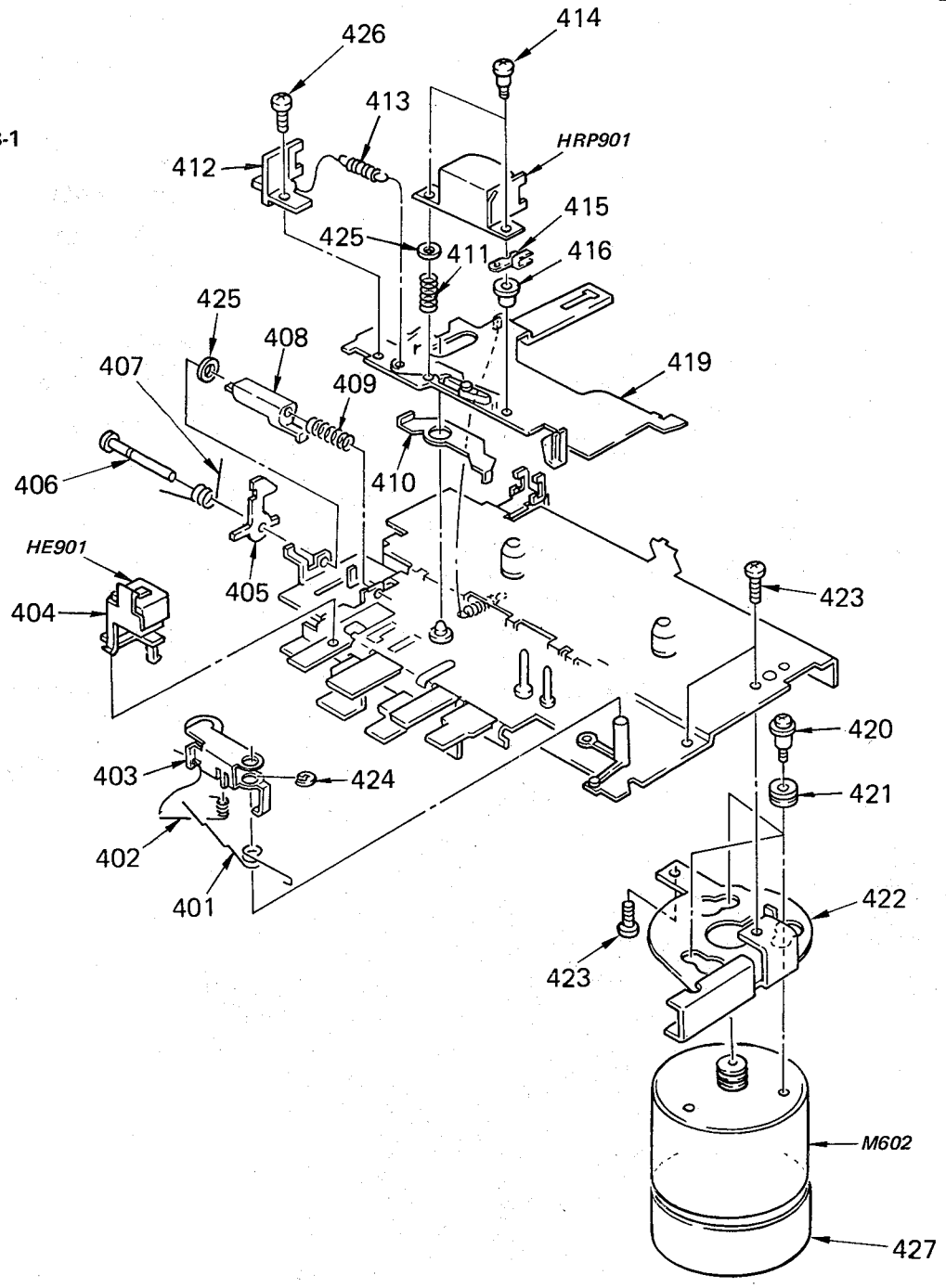
(8) DECK A-4



No.	Part No.	Description	Remarks
351	*3-391-024-01	LEVER, FF	
352	3-597-339-01	SPRING	
353	*3-391-025-01	LEVER, REW	
354	3-597-320-01	LEVER, CANCEL	
355	3-597-319-01	LEVER (A), SHUT-OFF	
356	3-391-019-01	LEVER (B), SHUT-OFF	
357	3-391-040-01	GEAR ASSY, FRICTION	
358	3-597-325-01	GEAR (B), DECELERATION	
359	3-597-346-01	SPRING	
360	3-597-327-01	CAM, DETECTION	
361	3-597-328-01	GEAR, MIDWAY	
362	3-597-324-01	GEAR, SELECTOR	
363	3-597-349-01	ROLLER, SELECT	
364	*3-597-331-01	LEVER, REVERSE	
365	3-676-387-00	POLY-SLIDER (DIA.1.6)	

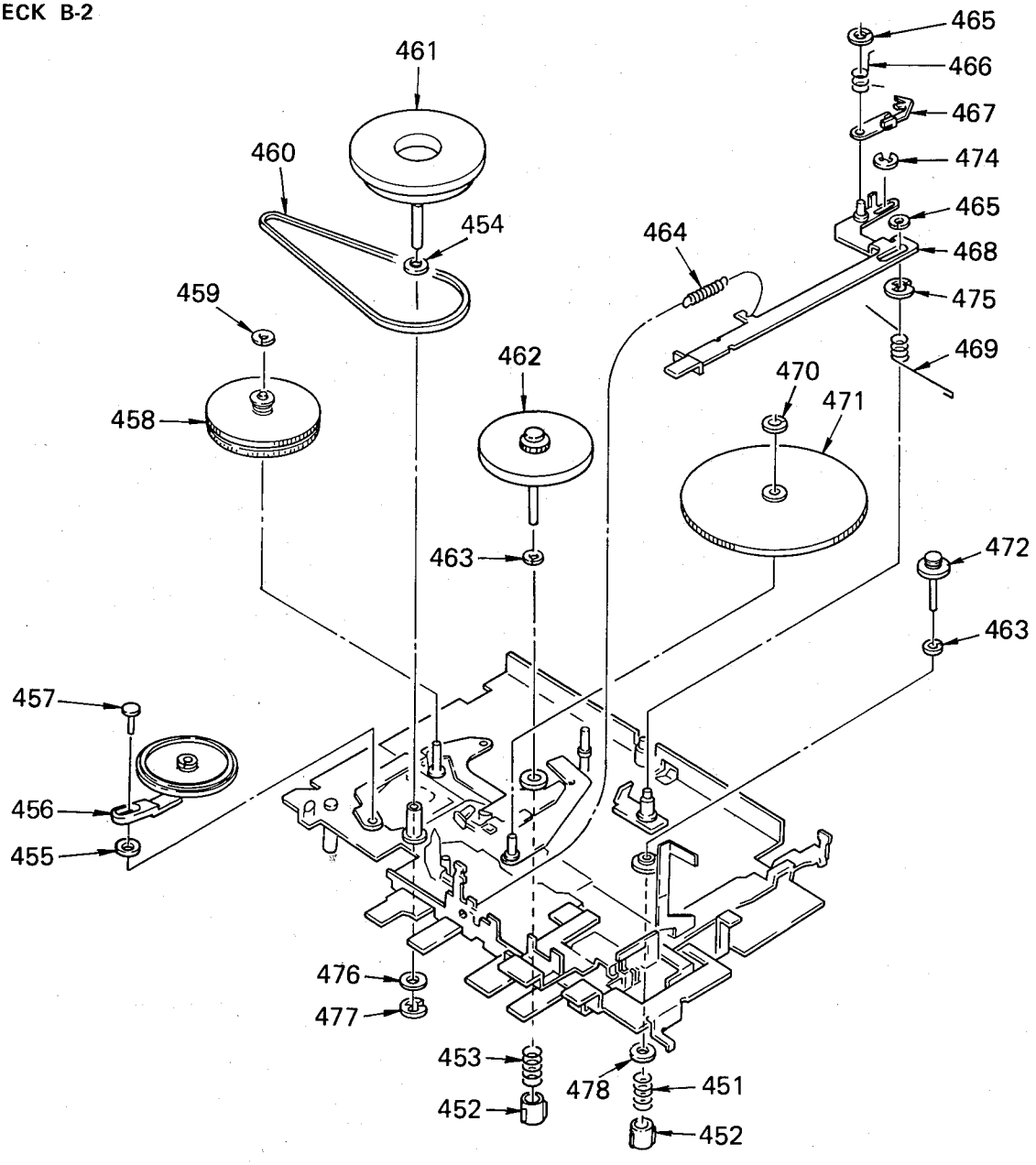
No.	Part No.	Description	Remarks
366	3-391-016-01	ARM, SENSOR	
367	3-597-351-01	SPRING	
368	3-597-323-01	ARM, GEAR LOCK	
369	3-597-322-01	GEAR, DETECTION	
370	3-597-315-01	SPINDLE ASSY, REEL	
371	3-701-437-11	WASHER	
372	7-624-118-01	RING (DIA. 2.5), E	
373	*3-597-314-01	PLATE, LOCK	
374	3-597-345-01	SPRING	
375	*3-391-030-01	PLATE, FUNCTION, SW	
376	3-597-344-01	SPRING	
378	*3-391-026-01	LEVER, PROGRAM	
379	3-391-017-01	RATCHET	
380	3-597-302-01	BASE ASSY, GEAR	

(9) DECK B-1



No.	Part No.	Description	Remarks
401	3-318-275-01	SPRING	
402	3-325-662-01	SPRING	
403	X-3325-609-1	PINCH LEVER ASSY	
404	3-318-285-01	BRACKET, ERASE HEAD	
405	3-325-666-01	LEVER, EJECT	
406	3-325-654-01	SHAFT, EJECT LEVER	
407	3-325-672-01	SPRING	
408	3-325-653-01	PLATE, LOCK, CASSETTE HOLDER	
409	3-325-657-01	SPRING	
410	*3-318-267-01	LEVER, CR	
411	3-318-237-01	SPRING, COMPRESSION	
412	3-318-287-01	GUIDE, TAPE	
413	3-325-684-01	SPRING, TENSION	
414	3-318-240-01	SCREW (1.4), SPECIAL	
415	3-325-682-01	LUG, PLATE	
	3-325-682-11	LUG, PLATE	
	3-325-682-21	LUG, PLATE	
416	X-3318-222-1	CHASSIS ASSY, HEAD	
417	3-318-309-01	SPACER, HEAD	
420	3-570-027-00	SCREW, MOTOR	
421	3-570-118-00	CUSHION, MOTOR	
422	*3-325-664-01	BRACKET, MOTOR	
423	7-627-556-08	SCREW +P 2.6X2.8	
424	7-624-105-04	STOP RING 2.3, TYPE -E	
425	7-688-001-01	W 2, SMALL	
426	3-317-552-51	SCREW (M1.7X2.5)	
427	*3-319-940-01	PLATE, SHIELD, MOTOR	
HE901	8-658-096-02	HEAD, ERASE EBF5-36	
HRP901	1-543-283-11	HEAD, MAGNETIC (REC/PB)	
M602	A-3135-022-A	MOTOR ASSY	

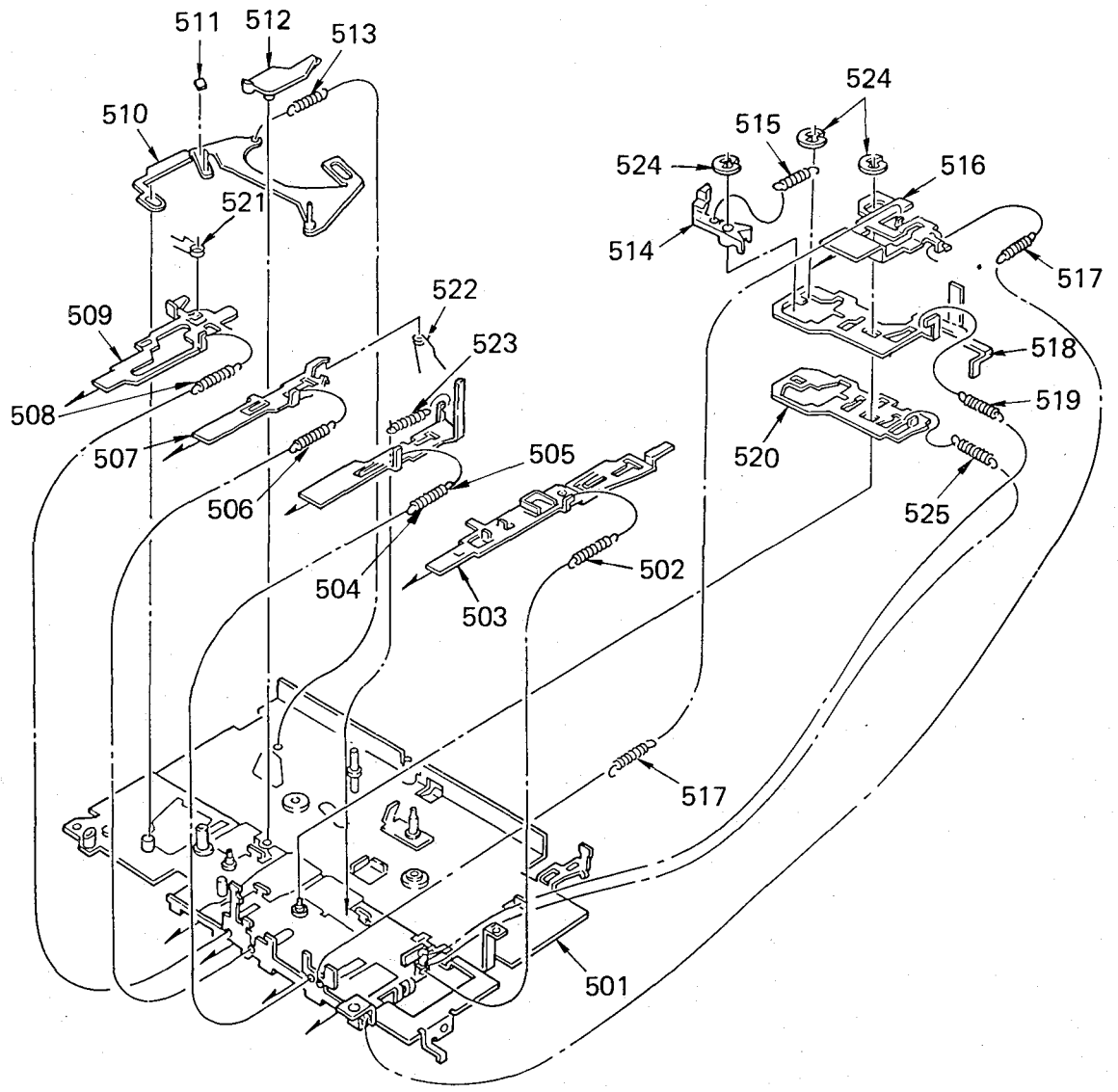
(10) DECK B-2



No.	Part No.	Description	Remarks
451	3-321-024-01	SPRING, COMPRESSION	
452	3-306-836-02	CAP, REEL, T	
453	3-318-241-01	SPRING, COMPRESSION	
454	3-701-437-11	WASHER	
455	3-827-323-11	WASHER (DIA. 3.1)	
456	X-3318-210-1	LEVER ASSY, FWD IDLER	
457	3-318-324-01	BUSHING, IDLER LEVER	
458	X-3318-207-1	GEAR (A) ASSY, FR	
459	3-578-265-11	WASHER, STOPPER	
460	3-325-651-01	BELT	
461	X-3325-606-2	FLYWHEEL ASSY	
462	X-3325-619-1	CLUTCH ASSY	
463	3-701-437-21	WASHER	
464	3-325-683-01	SPRING, TENSION	

No.	Part No.	Description	Remarks
465	3-325-692-01	WASHER, STOPPER	
466	3-325-699-01	SPRING	
467	3-305-915-00	PLATE, LOCK, PAUSE	
468	*X-3325-605-1	LEVER ASSY, PAUSE	
469	3-325-655-01	SPRING	
470	3-570-615-00	POLY-WASHER (DIA.1.2)	
471	3-318-265-01	GEAR (B), FR	
472	X-3318-204-1	GEAR ASSY, REW	
473	7-624-101-01	RING, RETAINING E-1.2	
474	7-624-102-04	STOP RING 1.5, TYPE -E	
475	7-624-105-04	STOP RING 2.3, TYPE -E	
476	3-701-437-51	WASHER	
	3-701-437-61	WASHER	
477	3-325-698-01	RING, RETAINING	
478	3-325-690-01	WASHER, B.T	

(11) DECK B-3



No.	Part No.	Description	Remarks
501	*X-3334-106-1	CHASSIS ASSY, MECH, OUTSERT	
502	3-334-188-01	SPRING, TENSION	
503	3-318-289-11	LEVER, REC	
504	3-318-349-01	SPRING, TENSION	
505	*3-318-290-01	LEVER, PLAY	
506	3-325-683-01	SPRING, TENSION	
507	3-318-292-01	LEVER, REW	
508	3-318-250-01	SPRING, TENSION	
509	3-318-291-01	LEVER, FR	
510	X-3318-208-1	LEVER ASSY, FR	
511	3-831-441-XX	CUSHION	
512	3-318-288-01	ARM, FF	

No.	Part No.	Description	Remarks
513	3-318-243-01	SPRING, TENSION	
514	3-318-296-01	LEVER, SHUT-OFF	
515	3-318-351-01	SPRING, TENSION	
516	*3-325-665-01	LEVER, STOP	
517	3-547-669-00	SPRING, TENSION	
518	3-325-669-01	LEVER, SW	
519	3-318-248-01	SPRING, TENSION	
520	*3-318-294-01	PLATE, LOCK	
521	3-318-276-01	SPRING	
522	3-318-277-01	SPRING, REW	
523	3-322-924-01	SPRING, TENSION(POWER TENSION)	
525	3-325-696-01	SPRING, TENSION	

SECTION 6
ELECTRICAL PARTS LIST

NOTE:
- Items marked " ★ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuitsin a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF:μF, PF:μμF.

RESISTORS
- All resistors are in ohms.
- F : nonflammable

COILS
- MMH : mH, UH : μH

SEMICONDUCTORS
In each case, U : μ, for example:
UA...: μA..., UPA...: μPA..., UPC...: μPC, UPD...: μPD...

The components identified by shading and mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

ELECTRICAL PARTS

Ref.No.	Part No.	Description
901	*A-3216-065-A	(US,Canadian)...PC BOARD ASSY, RADIO
	*A-3216-070-A	(G-AEP,ITALY)...PC BOARD ASSY, RADIO
	*A-3216-072-A	(E).....PC BOARD ASSY, RADIO
	*A-3216-105-A	(AEP).....PC BOARD ASSY, RADIO
902	*A-3260-468-A	(US).....MOUNTED PCB, MAIN
	*A-3260-476-A	(E).....MOUNTED PCB, MAIN
	*A-3260-487-A	(Canadian).....MOUNTED PCB, MAIN
	*A-3260-498-A	(AEP,G-AEP,ITALY)...MOUNTED PCB, MAIN
903	1-501-231-00	ANTENNA, TELESCOPIC (SW/FM)
904	*1-619-056-11	PC BOARD, GRAPHIC EQUALIZER
905	*1-619-057-11	PC BOARD, DIR LED
906	*1-619-058-11	PC BOARD, OP/BATT LED
907	*1-619-059-11	PC BOARD, MD
908	*1-619-061-11	PC BOARD, SPEAKER (L)
909	*1-619-062-11	PC BOARD, SPEAKER (R)
910	*1-620-096-11	(E)....PC BOARD, VOLTAGE CHANGE
911	*1-620-099-11	(E).....PC BOARD, POWER
	*1-620-099-21	(AEP,G-AEP,Canadian,ITALY) ..PC BOARD, POWER
912	1-533-189-11	HOLDER, FUSE
913	*3-597-335-01	CHASSIS, SW
C2	1-162-294-31	CERAMIC 0.001MF 10% 50V
C3	1-162-203-31	(AEP,US,Canadian,E) ...CERAMIC 15PF 5% 50V
C3	1-162-208-11	(G-AEP,ITALY)...CERAMIC 24PF 5% 50V
C4	1-162-195-31	CERAMIC 4.7PF 10% 50V
C5	1-162-294-31	CERAMIC 0.001MF 10% 50V
C6	1-162-306-31	CERAMIC 0.01MF 30% 16V
C7	1-162-203-31	CERAMIC 15PF 5% 50V
C8	1-102-295-00	(US,Canadian)...CERAMIC 13PF 5% 50V
C8	1-102-640-00	(G-AEP,ITALY)...CERAMIC 18PF 5% 50V
C8	1-102-855-00	(AEP,E).....CERAMIC 15PF 5% 50V
C9	1-162-197-31	(US,Canadian)...CERAMIC 6.8PF 10% 50V
C9	1-162-198-31	(AEP,G-AEP,E,ITALY) ...CERAMIC 8.2PF 10% 50V
C13	1-162-306-31	CERAMIC 0.01MF 30% 16V
C24	1-162-306-31	CERAMIC 0.01MF 30% 16V
C25	1-162-306-31	CERAMIC 0.01MF 30% 16V
C26	1-161-057-00	CERAMIC 0.033MF 10% 25V
C27	1-162-197-31	CERAMIC 6.8PF 10% 50V
C28	1-124-907-00	ELECT 10MF 20% 50V
C29	1-162-306-31	CERAMIC 0.01MF 30% 16V
C30	1-162-306-31	CERAMIC 0.01MF 30% 16V
C31	1-102-965-00	CERAMIC 39PF 5% 50V
C32	1-124-468-11	ELECT 100MF 20% 6.3V

ELECTRICAL PARTS

Ref.No.	Part No.	Description
C33	1-162-306-31	CERAMIC 0.01MF 30% 16V
C34	1-124-907-00	ELECT 10MF 20% 50V
C35	1-162-306-31	CERAMIC 0.01MF 30% 16V
C37	1-162-282-31	CERAMIC 100PF 10% 50V
C38	1-161-056-00	CERAMIC 0.027MF 10% 25V
C39	1-162-561-11	CERAMIC 0.1MF 16V
C40	1-162-282-31	CERAMIC 100PF 10% 50V
C41	1-124-902-00	ELECT 0.47MF 20% 50V
C42	1-124-903-00	ELECT 1MF 20% 50V
C43	1-124-903-00	ELECT 1MF 20% 50V
C44	1-124-905-11	ELECT 3.3MF 20% 50V
C45	1-161-938-00	CERAMIC 0.001MF 5% 50V
C46	1-124-903-00	ELECT 1MF 20% 50V
C47	1-124-892-11	ELECT 47MF 20% 10V
C48	1-161-054-00	(AEP,G-AEP,E,ITALY) ...CERAMIC 0.018MF 10% 25V
C48	1-161-055-00	(US,Canadian)...CERAMIC 0.022MF 10% 25V
C49	1-161-054-00	(AEP,G-AEP,E,ITALY) ...CERAMIC 0.018MF 10% 25V
C49	1-161-055-00	(US,Canadian)...CERAMIC 0.022MF 10% 25V
C50	1-124-903-00	ELECT 1MF 20% 50V
C51	1-124-903-00	ELECT 1MF 20% 50V
C52	1-124-468-11	ELECT 100MF 20% 6.3V
C55	1-124-907-00	ELECT 10MF 20% 50V
C56	1-102-641-00	CERAMIC 22PF 5% 50V
C58	1-162-187-31	CERAMIC 1PF 20% 50V
C101	1-162-292-31	CERAMIC 680PF 10% 50V
C102	1-162-288-31	CERAMIC 330PF 10% 50V
C103	1-124-892-11	ELECT 47MF 20% 10V
C104	1-161-055-00	CERAMIC 0.022MF 10% 25V
C105	1-124-927-11	ELECT 4.7MF 20% 50V
C106	1-161-056-00	CERAMIC 0.027MF 10% 25V
C107	1-124-927-11	ELECT 4.7MF 20% 50V
C108	1-124-892-11	ELECT 47MF 20% 10V
C109	1-161-053-00	CERAMIC 0.015MF 10% 25V
C110	1-161-058-00	CERAMIC 0.039MF 10% 25V
C111	1-161-023-00	CERAMIC 0.068MF 10% 25V
C112	1-124-903-00	ELECT 1MF 20% 50V
C113	1-124-903-00	ELECT 1MF 20% 50V
C114	1-124-927-11	ELECT 4.7MF 20% 50V
C115	1-162-294-31	CERAMIC 0.001MF 10% 50V
C116	1-124-892-11	ELECT 47MF 20% 10V
C117	1-136-167-00	FILM 0.15MF 5% 50V
C118	1-124-443-00	ELECT 100MF 20% 10V
C119	1-124-555-00	ELECT 1000MF 20% 16V

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C120	1-162-282-31	CERAMIC	100PF	10%	50V
C121	1-162-294-31	CERAMIC	0.001MF	10%	50V
C122	1-162-282-31	CERAMIC	100PF	10%	50V
C124	1-102-106-00	CERAMIC	100PF	10%	50V
C201	1-162-292-31	CERAMIC	680PF	10%	50V
C202	1-162-288-31	CERAMIC	330PF	10%	50V
C203	1-124-892-11	ELECT	47MF	20%	10V
C204	1-161-055-00	CERAMIC	0.022MF	10%	25V
C205	1-124-927-11	ELECT	4.7MF	20%	50V
C206	1-161-056-00	CERAMIC	0.027MF	10%	25V
C207	1-124-927-11	ELECT	4.7MF	20%	50V
C208	1-124-892-11	ELECT	47MF	20%	10V
C209	1-161-053-00	CERAMIC	0.015MF	10%	25V
C210	1-161-058-00	CERAMIC	0.039MF	10%	25V
C211	1-161-023-00	CERAMIC	0.068MF	10%	25V
C212	1-124-903-00	ELECT	1MF	20%	50V
C213	1-124-903-00	ELECT	1MF	20%	50V
C214	1-124-927-11	ELECT	4.7MF	20%	50V
C215	1-162-294-31	CERAMIC	0.001MF	10%	50V
C216	1-124-892-11	ELECT	47MF	20%	10V
C217	1-136-167-00	FILM	0.15MF	5%	50V
C218	1-124-443-00	ELECT	100MF	20%	10V
C219	1-124-555-00	ELECT	1000MF	20%	16V
C220	1-162-282-31	CERAMIC	100PF	10%	50V
C221	1-162-294-31	CERAMIC	0.001MF	10%	50V
C222	1-162-282-31	CERAMIC	100PF	10%	50V
C224	1-102-106-00	CERAMIC	100PF	10%	50V
C301	1-124-481-11	ELECT	22MF	20%	25V
C302	1-124-892-11	ELECT	47MF	20%	10V
C303	1-124-907-00	ELECT	10MF	20%	50V
C304	1-124-443-00	ELECT	100MF	20%	10V
C305	1-130-481-00	MYLAR	0.0068MF	5%	50V
C306	1-130-483-00	MYLAR	0.01MF	5%	50V
C307	1-162-561-11	CERAMIC	0.1MF		16V
C308	1-124-443-00	ELECT	100MF	20%	10V
C309	1-124-902-00	ELECT	0.47MF	20%	50V
C310	1-124-907-00	ELECT	10MF	20%	50V
C311	1-124-444-00	ELECT	220MF	20%	10V
C312	1-124-481-11	ELECT	22MF	20%	25V
C313	1-124-481-11	ELECT	22MF	20%	25V
C314	1-124-444-00	ELECT	220MF	20%	10V
C315	1-161-059-00	CERAMIC	0.047MF	10%	25V
C316	1-162-294-31	CERAMIC	0.001MF	10%	50V
C317	1-161-057-00	CERAMIC	0.033MF	10%	25V
C318	1-136-165-00	FILM	0.1MF	5%	50V
C319	1-161-056-00	CERAMIC	0.027MF	10%	25V
C320	1-161-045-00	CERAMIC	0.0033MF	10%	25V
C321	1-124-907-00	ELECT	10MF	20%	50V
C322	1-124-907-00	ELECT	10MF	20%	50V
C323	1-124-443-00	ELECT	100MF	20%	10V
C324	1-124-481-11	ELECT	22MF	20%	25V
C325	1-123-321-00	ELECT	220MF	20%	16V
C326	1-123-321-00	ELECT	220MF	20%	16V
C327	1-124-907-00	ELECT	10MF	20%	50V
C328	1-124-903-00	ELECT	1MF	20%	50V
C329	1-124-443-00	ELECT	100MF	20%	10V
C330	1-124-443-00	ELECT	100MF	20%	10V
C331	1-123-321-00	ELECT	220MF	20%	16V
C332	1-124-119-00	ELECT	330MF	20%	16V
C333	1-124-443-00	ELECT	100MF	20%	10V

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C334	1-124-443-00	ELECT	100MF	20%	10V
C336	1-136-167-00	FILM	0.15MF	5%	50V
C337	1-136-167-00	FILM	0.15MF	5%	50V
C338	1-162-306-31	CERAMIC	0.01MF	30%	16V
C339	1-162-306-31	CERAMIC	0.01MF	30%	16V
C340	1-124-444-00	ELECT	220MF	20%	10V
C343	1-162-294-31	CERAMIC	0.001MF	10%	50V
C344	1-162-294-31	CERAMIC	0.001MF	10%	50V
C345	1-124-892-11	ELECT	47MF	20%	10V
C346	1-162-292-31	CERAMIC	680PF	10%	50V
C347	1-106-174-00	MYLAR	0.0012MF	5%	100V
C348	1-162-294-31	CERAMIC	0.001MF	10%	50V
C349	1-124-443-00	ELECT	100MF	20%	10V
C350	1-102-106-00	CERAMIC	100PF	10%	50V
C351	1-102-106-00	CERAMIC	100PF	10%	50V
C352	1-102-106-00	CERAMIC	100PF	10%	50V
C353	1-102-106-00	CERAMIC	100PF	10%	50V
C401	1-123-616-00	ELECT	4.7MF	20%	25V
C402	1-161-058-00	CERAMIC	0.039MF	10%	25V
C403	1-123-902-00	ELECT	0.68MF	20%	50V
C404	1-162-306-31	CERAMIC	0.01MF	30%	16V
C405	1-123-608-00	ELECT	0.22MF	20%	50V
C406	1-162-304-31	CERAMIC	0.0047MF	30%	16V
C407	1-161-059-00	CERAMIC	0.047MF	10%	25V
C408	1-162-294-31	CERAMIC	0.001MF	10%	50V
C409	1-161-494-00	CERAMIC	0.022MF	30%	25V
C410	1-162-290-31	CERAMIC	470PF	10%	50V
C411	1-130-482-00	MYLAR	0.0082MF	5%	50V
C413	1-162-294-31	CERAMIC	0.001MF	10%	50V
C414	1-123-611-00	ELECT	1MF	20%	50V
C415	1-123-622-00	ELECT	22MF	20%	16V
C416	1-162-302-31	CERAMIC	0.0022MF	30%	16V
C417	1-161-023-00	CERAMIC	0.068MF	10%	25V
C418	1-162-294-31	CERAMIC	0.001MF	10%	50V
C419	1-102-106-00	CERAMIC	100PF	10%	50V
C501	1-123-616-00	ELECT	4.7MF	20%	25V
C502	1-161-058-00	CERAMIC	0.039MF	10%	25V
C503	1-123-902-00	ELECT	0.68MF	20%	50V
C504	1-162-306-31	CERAMIC	0.01MF	30%	16V
C505	1-123-608-00	ELECT	0.22MF	20%	50V
C506	1-162-304-31	CERAMIC	0.0047MF	30%	16V
C507	1-161-059-00	CERAMIC	0.047MF	10%	25V
C508	1-162-294-31	CERAMIC	0.001MF	10%	50V
C509	1-161-055-00	CERAMIC	0.022MF	20%	25V
C510	1-162-290-31	CERAMIC	470PF	10%	50V
C511	1-130-482-00	MYLAR	0.0082MF	5%	50V
C513	1-162-294-31	CERAMIC	0.001MF	10%	50V
C514	1-123-611-00	ELECT	1MF	20%	50V
C515	1-123-622-00	ELECT	22MF	20%	16V
C516	1-162-302-31	CERAMIC	0.0022MF	30%	16V
C517	1-161-023-00	CERAMIC	0.068MF	10%	25V
C518	1-162-294-31	CERAMIC	0.001MF	10%	50V
C519	1-102-106-00	CERAMIC	100PF	10%	50V
C601	1-124-445-00	ELECT	100MF	20%	16V
R324	1-247-903-00	CARBON	1M	5%	1/6W
R325	1-249-429-11	CARBON	10K	5%	1/6W
R326	1-249-429-11	CARBON	10K	5%	1/6W
R327	1-249-429-11	CARBON	10K	5%	1/6W
R328	1-249-429-11	CARBON	10K	5%	1/6W
R329	1-247-789-00	CARBON	18	5%	1/6W
R330	1-247-789-00	CARBON	18	5%	1/6W

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C602	1-124-445-00	ELECT	100MF	20%	16V
C603	1-124-907-00	ELECT	10MF	20%	50V
C605	1-124-481-11	ELECT	22MF	20%	25V
C901	1-124-898-11	ELECT	4700MF	20%	16V
C902	1-101-004-00	CERAMIC	0.01MF		50V
C903	1-101-004-00	CERAMIC	0.01MF		50V
C904	1-101-004-00	CERAMIC	0.01MF		50V
CF1	1-567-198-71	FILTER, CERAMIC			
CF2	1-567-670-11	FILTER, CERAMIC			
CN2	*1-506-986-11	PIN, CONNECTOR (PC BOARD) 4P			
CN5	*1-506-984-11	PIN, CONNECTOR (PC BOARD) 2P			
CN301	*1-506-989-11	PIN, CONNECTOR (PC BOARD) 7P			
CN302	*1-506-986-11	PIN, CONNECTOR (PC BOARD) 4P			
CN303	*1-506-986-11	PIN, CONNECTOR (PC BOARD) 4P			
CN304	*1-506-984-11	PIN, CONNECTOR (PC BOARD) 2P			
CN307	*1-566-003-11	PIN, CONNECTOR (PC BOARD) 6P			
CN308	*1-506-999-11	PIN, CONNECTOR (PC BOARD) 3P			
CN601	*1-506-986-11	PIN, CONNECTOR (PC BOARD) 4P			
CN602	*1-506-986-11	PIN, CONNECTOR (PC BOARD) 4P			
CN603	*1-560-456-00	PIN, CONNECTOR 2P			
CN604	*1-564-666-11	PIN, CONNECTOR 10P			
CN901⚠	1-526-796-11	(US,Canadian).....INLET, AC/DC 2P			
CN901⚠	1-526-797-11	(AEP,G-AEP,E,ITALY)...INLET, AC/DC 2P			
CNP401	*1-564-781-11	PIN, CONNECTOR 3P			
CNP402	*1-564-784-11	PIN, CONNECTOR 6P			
CT1-4 CV1-4	1-151-531-11	TUNING CAPACITOR, POLYETHYLENE			
D1	8-719-911-19	DIODE 1SS119			
D2	8-719-911-19	DIODE 1SS119			
D3	8-719-768-71	DIODE 1S2687S-1			
D5	8-719-911-19	DIODE 1SS119			
D101	8-719-911-19	DIODE 1SS119			
D201	8-719-911-19	DIODE 1SS119			
D301	8-719-911-19	DIODE 1SS119			
D302	8-719-911-19	DIODE 1SS119			
D303	8-719-101-65	DIODE RD6.8EL3			
D304	8-719-911-19	DIODE 1SS119			
D305	8-719-911-19	DIODE 1SS119			
D501	8-719-901-44	DIODE SLP144B			
D502	8-719-901-44	DIODE SLP144B			
D601	8-719-911-19	DIODE 1SS119			
D602	8-719-911-19	DIODE 1SS119			
D603	8-719-000-06	DIODE MC921			
D604	8-719-000-06	DIODE MC921			
D605	8-719-812-41	DIODE TLR124			
D606	8-719-812-41	DIODE TLR124			
D901	8-719-503-06	DIODE S3WB60Z			
F901⚠	1-532-284-00	(E).....FUSE, TIME-LAG, 630mA			
F902⚠	1-532-350-00	(AEP,G-AEP,E,ITALY)...FUSE, TIME-LAG			
F902⚠	1-532-747-11	(Canadian).....FUSE, GLASS TUBE, 5A			
FL1	1-235-142-00	FILTER, BAND PASS			
HE901	8-658-096-02	HEAD, ERASE EBF5-36			
HP901	1-543-321-11	HEAD, MAGNETIC (REC/PB)			
HRP901	1-543-283-11	HEAD, MAGNETIC (REC/PB)			

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
IC1	8-759-204-03	IC TA7358AP			
IC3	8-759-801-24	IC LA1260S			
IC4	8-759-203-87	IC TA7343AP			
IC101	8-759-801-23	IC LA3600			
IC201	8-759-801-23	IC LA3600			
IC301	8-759-918-76	IC BA3404L			
IC302	8-759-602-70	IC M51544AL			
IC303	8-759-205-82	IC TA7282AP			
IC304	8-759-205-82	IC TA7282AP			
J301	1-507-948-21	JACK (LINE IN/CD)			
J302	1-563-330-11	JACK (MIX MIC)			
J303	1-507-948-11	JACK (HEADPHONES)			
L2	1-459-520-11	COIL (WITH CORE)			
L3	1-459-418-00	COIL (WITH CORE)			
L6	1-402-153-11	ANTENNA, FERRITE-ROD (MW)			
L101	1-408-429-00	MICRO INDUCTOR 470UH			
L201	1-408-429-00	MICRO INDUCTOR 470UH			
M601	3-391-004-01	MOTOR ASSY			
M602	A-3135-022-A	MOTOR ASSY			
MIC301	1-542-080-11	MICROPHONE, BUILT-IN			
Q1	8-729-672-42	TRANSISTOR 2SC2724-C			
Q101	8-729-606-33	TRANSISTOR 2SC2603F			
Q102	8-729-100-13	TRANSISTOR 2SC2001			
Q103	8-729-606-33	TRANSISTOR 2SC2603F			
Q104	8-729-606-33	TRANSISTOR 2SC2603F			
Q105	8-729-178-54	TRANSISTOR 2SC2785			
Q201	8-729-606-33	TRANSISTOR 2SC2603F			
Q202	8-729-100-13	TRANSISTOR 2SC2001			
Q203	8-729-606-33	TRANSISTOR 2SC2603F			
Q204	8-729-606-33	TRANSISTOR 2SC2603F			
Q205	8-729-178-54	TRANSISTOR 2SC2785			
Q301	8-729-606-33	TRANSISTOR 2SC2603F			
Q302	8-729-606-33	TRANSISTOR 2SC2603F			
Q303	8-729-606-33	TRANSISTOR 2SC2603F			
Q304	8-729-606-33	TRANSISTOR 2SC2603F			
Q305	8-729-606-33	TRANSISTOR 2SC2603F			
Q306	8-729-606-33	TRANSISTOR 2SC2603F			
Q307	8-729-606-33	TRANSISTOR 2SC2603F			
Q308	8-729-606-33	TRANSISTOR 2SC2603F			
Q309	8-729-100-13	TRANSISTOR 2SC2001			
Q310	8-729-206-74	TRANSISTOR RN2203			
Q311	8-729-178-54	TRANSISTOR 2SC2785			
Q312	8-729-117-54	TRANSISTOR 2SA1175			
Q314	8-729-177-32	TRANSISTOR 2SD773			
Q601	8-729-117-54	TRANSISTOR 2SA1175			
Q602	8-729-178-54	TRANSISTOR 2SC2785			
Q603	8-729-117-54	TRANSISTOR 2SA1175			
Q604	8-729-900-74	TRANSISTOR DTC143TS			
Q605	8-729-100-13	TRANSISTOR 2SC2001			
Q606	8-729-100-13	TRANSISTOR 2SC2001			
Q607	8-729-117-54	TRANSISTOR 2SA1175			
Q608	8-729-117-54	TRANSISTOR 2SA1175			
Q609	8-729-177-32	TRANSISTOR 2SD773			
R1	1-249-417-11	CARBON	1K	5%	1/6W
R2	1-247-845-00	CARBON	3.9K	5%	1/6W
R3	1-249-405-11	CARBON	100	5%	1/6W

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ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R4	1-249-441-11	CARBON	100K	5%	1/6W
R5	1-249-417-11	CARBON	1K	5%	1/6W
R6	1-247-791-00	CARBON	22	5%	1/6W
R14	1-247-883-00	CARBON	150K	5%	1/6W
R15	1-247-819-00	CARBON	330	5%	1/6W
R16	1-249-417-11	CARBON	1K	5%	1/6W
R17	1-247-851-00	CARBON	6.8K	5%	1/6W
R19	1-249-415-11	CARBON	680	5%	1/6W
R20	1-249-423-11	CARBON	3.3K	5%	1/6W
R21	1-247-851-00	CARBON	6.8K	5%	1/6W
R22	1-249-417-11	CARBON	1K	5%	1/6W
R23	1-249-441-11	CARBON	100K	5%	1/6W
R24	1-249-417-11	CARBON	1K	5%	1/6W
R25	1-249-429-11	CARBON	10K	5%	1/6W
R26	1-249-419-11	CARBON	1.5K	5%	1/6W
R27	1-247-887-00	CARBON	220K	5%	1/6W
R28	1-249-423-11	CARBON	3.3K	5%	1/6W
R29	1-249-423-11	CARBON	3.3K	5%	1/6W
R30	1-249-434-11	CARBON	27K	5%	1/6W
R31	1-249-434-11	CARBON	27K	5%	1/6W
R32	1-249-422-11	CARBON	2.7K	5%	1/6W
R33	1-249-422-11	CARBON	2.7K	5%	1/6W
R34	1-249-434-11	CARBON	27K	5%	1/6W
R35	1-249-434-11	CARBON	27K	5%	1/6W
R36	1-247-791-00	(US,Canadian,E) ...CARBON	22	5%	1/6W
R36 ⚠	1-249-399-11	(AEP,G-AEP,ITALY) ...CARBON	33	5%	1/6W F
R37	1-247-791-00	CARBON	22	5%	1/6W
R38	1-249-420-11	CARBON	1.8K	5%	1/6W
R101	1-247-885-00	CARBON	180K	5%	1/6W
R102	1-247-816-00	CARBON	240	5%	1/6W
R103	1-247-849-00	CARBON	5.6K	5%	1/6W
R104	1-247-851-00	CARBON	6.8K	5%	1/6W
R105	1-247-839-00	CARBON	2.2K	5%	1/6W
R106	1-249-419-11	CARBON	1.5K	5%	1/6W
R107	1-249-429-11	CARBON	10K	5%	1/6W
R108	1-249-417-11	CARBON	1K	5%	1/6W
R109	1-249-417-11	CARBON	1K	5%	1/6W
R110	1-247-851-00	CARBON	6.8K	5%	1/6W
R111	1-249-433-11	CARBON	22K	5%	1/6W
R112	1-249-425-11	CARBON	4.7K	5%	1/6W
R113	1-249-437-11	CARBON	47K	5%	1/6W
R114	1-247-813-00	CARBON	180	5%	1/6W
R115	1-249-417-11	CARBON	1K	5%	1/6W
R116	1-247-791-00	CARBON	22	5%	1/6W
R117	1-249-429-11	CARBON	10K	5%	1/6W
R118	1-247-839-00	CARBON	2.2K	5%	1/6W
R119	1-249-422-11	CARBON	2.7K	5%	1/6W
R120	1-247-899-00	(AEP,G-AEP,US,E,ITALY) ....CARBON	680K	5%	1/6W
R121	1-249-417-11	CARBON	1K	5%	1/6W
R122	1-247-823-00	CARBON	470	5%	1/6W
R123	1-247-793-00	CARBON	27	5%	1/6W
R124	1-247-767-00	(AEP,G-AEP,ITALY) ...CARBON	2.2	5%	1/6W
R124	1-249-385-11	(US,Canadian,E) ...CARBON	2.2	5%	1/6W
R125	1-247-809-00	CARBON	120	5%	1/6W
R126	1-249-437-11	CARBON	47K	5%	1/6W
R127	1-249-425-11	CARBON	4.7K	5%	1/6W

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R128	1-249-433-11	CARBON	22K	5%	1/6W
R129	1-249-422-11	CARBON	2.7K	5%	1/6W
R130	1-249-429-11	CARBON	10K	5%	1/6W
R201	1-247-885-00	CARBON	180K	5%	1/6W
R202	1-247-816-00	CARBON	240	5%	1/6W
R203	1-247-849-00	CARBON	5.6K	5%	1/6W
R204	1-247-851-00	CARBON	6.8K	5%	1/6W
R205	1-247-839-00	CARBON	2.2K	5%	1/6W
R206	1-249-419-11	CARBON	1.5K	5%	1/6W
R207	1-249-429-11	CARBON	10K	5%	1/6W
R208	1-249-417-11	CARBON	1K	5%	1/6W
R209	1-249-417-11	CARBON	1K	5%	1/6W
R210	1-247-851-00	CARBON	6.8K	5%	1/6W
R211	1-249-433-11	CARBON	22K	5%	1/6W
R212	1-249-425-11	CARBON	4.7K	5%	1/6W
R213	1-249-437-11	CARBON	47K	5%	1/6W
R214	1-247-813-00	CARBON	180	5%	1/6W
R215	1-249-417-11	CARBON	1K	5%	1/6W
R216	1-247-791-00	CARBON	22	5%	1/6W
R217	1-249-429-11	CARBON	10K	5%	1/6W
R218	1-247-839-00	CARBON	2.2K	5%	1/6W
R219	1-249-422-11	CARBON	2.7K	5%	1/6W
R220	1-247-899-00	(AEP,G-AEP,US,E,ITALY) ...CARBON	680K	5%	1/6W
R221	1-249-417-11	CARBON	1K	5%	1/6W
R222	1-247-823-00	CARBON	470	5%	1/6W
R223	1-247-793-00	CARBON	27	5%	1/6W
R224	1-247-385-11	(US,Canadian,E) ...CARBON	2.2	5%	1/6W
R224	1-247-767-00	(AEP,G-AEP,ITALY) ...CARBON	2.2	5%	1/6W
R225	1-247-809-00	CARBON	120	5%	1/6W
R226	1-249-437-11	CARBON	47K	5%	1/6W
R227	1-249-425-11	CARBON	4.7K	5%	1/6W
R228	1-249-433-11	CARBON	22K	5%	1/6W
R229	1-249-422-11	CARBON	2.7K	5%	1/6W
R230	1-249-429-11	CARBON	10K	5%	1/6W
R301	1-247-833-00	CARBON	1.2K	5%	1/6W
R302	1-247-849-00	CARBON	5.6K	5%	1/6W
R303	1-249-437-11	CARBON	47K	5%	1/6W
R304	1-247-839-00	CARBON	2.2K	5%	1/6W
R305	1-247-817-00	CARBON	270	5%	1/6W
R306	1-247-791-00	CARBON	22	5%	1/6W
R307	1-249-437-11	CARBON	47K	5%	1/6W
R308	1-249-405-11	CARBON	100	5%	1/6W
R309	1-249-423-11	CARBON	3.3K	5%	1/6W
R310	1-249-415-11	CARBON	680	5%	1/6W
R312	1-247-891-00	CARBON	330K	5%	1/6W
R313	1-247-839-00	CARBON	2.2K	5%	1/6W
R314	1-247-803-00	CARBON	68	5%	1/6W
R315	1-247-839-00	CARBON	2.2K	5%	1/6W
R317	1-249-425-11	CARBON	4.7K	5%	1/6W
R318	1-249-417-11	CARBON	1K	5%	1/6W
R319	1-247-849-00	CARBON	5.6K	5%	1/6W
R320	1-247-799-00	CARBON	47	5%	1/6W
R321	1-249-437-11	CARBON	47K	5%	1/6W
R322	1-249-429-11	CARBON	10K	5%	1/6W
R323	1-249-405-11	CARBON	100	5%	1/6W

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ELECTRICAL PARTS

Ref.No.	Part No.	Description				
R331	1-247-833-00	CARBON	1.2K	5%	1/6W	
R332⚠	1-249-385-11	CARBON	2.2	5%	1/6W	F
R333⚠	1-249-385-11	CARBON	2.2	5%	1/6W	F
R334	1-247-839-00	CARBON	2.2K	5%	1/6W	
R335	1-249-437-11	CARBON	47K	5%	1/6W	
R336	1-247-857-00	CARBON	12K	5%	1/6W	
R337	1-247-857-00	CARBON	12K	5%	1/6W	
R338	1-249-420-11	CARBON	1.8K	5%	1/6W	
R339	1-247-829-00	CARBON	820	5%	1/6W	
R340	1-249-425-11	CARBON	4.7K	5%	1/6W	
R341	1-247-787-00	CARBON	15	5%	1/6W	
R342	1-249-429-11	CARBON	10K	5%	1/6W	
R343	1-249-429-11	CARBON	10K	5%	1/6W	
R344⚠	1-217-637-00	FUSIBLE	1	5%	1/4W	F
R345	1-249-420-11	CARBON	1.8K	5%	1/6W	
R346	1-247-903-00	CARBON	1M	5%	1/6W	
R347	1-247-799-00	CARBON	47	5%	1/6W	
R348	1-249-405-11	CARBON	100	5%	1/6W	
R349	1-247-823-00	CARBON	470	5%	1/6W	
R350	1-249-423-11	CARBON	3.3K	5%	1/6W	
R351	1-247-823-00	CARBON	470	5%	1/6W	
R352	1-249-437-11	CARBON	47K	5%	1/6W	
R353	1-247-817-00	CARBON	270	5%	1/6W	
R354	1-249-405-11	CARBON	100	5%	1/6W	
R355	1-249-420-11	CARBON	1.8K	5%	1/6W	
R401	1-249-425-11	CARBON	4.7K	5%	1/6W	
R403	1-247-845-00	CARBON	3.9K	5%	1/6W	
R501	1-249-425-11	CARBON	4.7K	5%	1/6W	
R503	1-247-845-00	CARBON	3.9K	5%	1/6W	
R601	1-249-417-11	CARBON	1K	5%	1/6W	
R602⚠	1-217-637-00	FUSIBLE	1	5%	1/4W	F
R603⚠	1-217-637-00	FUSIBLE	1	5%	1/4W	F
R604	1-249-417-11	CARBON	1K	5%	1/6W	
R605	1-247-851-00	CARBON	6.8K	5%	1/6W	
R606	1-249-429-11	CARBON	10K	5%	1/6W	
R607	1-249-437-11	CARBON	47K	5%	1/6W	
R608	1-249-437-11	CARBON	47K	5%	1/6W	
R609	1-249-435-11	CARBON	33K	5%	1/6W	
R610	1-249-417-11	CARBON	1K	5%	1/6W	
R613	1-249-417-11	CARBON	1K	5%	1/6W	
R614	1-249-417-11	CARBON	1K	5%	1/6W	
R615	1-249-425-11	CARBON	4.7K	5%	1/6W	
R616	1-249-425-11	CARBON	4.7K	5%	1/6W	
R617	1-249-437-11	CARBON	47K	5%	1/6W	
R619	1-249-429-11	CARBON	10K	5%	1/6W	
R620	1-249-417-11	CARBON	1K	5%	1/6W	
R621	1-249-429-11	CARBON	10K	5%	1/6W	
R622	1-249-429-11	CARBON	10K	5%	1/6W	
R623	1-247-791-00	(US,E).....CARBON	22	5%	1/6W	
R623	1-249-397-11	(Canadian)...CARBON	22	5%	1/6W	
R623	1-217-527-00	(AEP,G-AEP,ITALY) ....FUSIBLE	22	5%	1/4W	
R624	1-247-810-00	CARBON	130	5%	1/6W	

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ELECTRICAL PARTS

Ref.No.	Part No.	Description
RV1	1-230-271-00	RES, ADJ, CARBON 4.7K
RV401	1-237-024-11	RES, VAR, SLIDE 100K/100K
RV402	1-237-024-11	RES, VAR, SLIDE 100K/100K
RV403	1-237-024-11	RES, VAR, SLIDE 100K/100K
RV404	1-237-024-11	RES, VAR, SLIDE 100K/100K
RV405	1-237-024-11	RES, VAR, SLIDE 100K/100K
RV406	1-237-272-11	RES, VAR, SLIDE 50K/50K
RV601	1-237-491-11	RES, ADJ, CARBON 2K
RV602	1-237-491-11	RES, ADJ, CARBON 2K
RV603	1-230-610-11	RES, ADJ, CARBON 5K
RV604	1-230-610-11	RES, ADJ, CARBON 5K
S1	1-570-347-11	SWITCH, LEVER SLIDE (BAND)
S301	1-570-671-11	SWITCH, SLIDE (RECORD/PLAYBACK)
S302	1-570-670-11	SWITCH, LEVER SLIDE (FUNCTION)
S303	1-553-331-21	SWITCH, PUSH (TAPE SELECT (PB))
S304	1-553-331-21	SWITCH, PUSH (GEQ REC)
S601	1-570-225-11	SWITCH, LEAF (MD POWER/DECK A)
S602	1-570-225-11	SWITCH, LEAF (MD POWER/DECK B)
S603	1-570-667-11	SWITCH, LEAF (FWD-DECK A)
S604	1-570-667-11	SWITCH, LEAF (FF/REW-DECK A)
S605	1-553-331-00	SWITCH, PUSH (PAUSE)
S901⚠	1-554-752-11	(E)....SWITCH, VOLTAGE CHANGE
SP101	1-503-631-11	SPEAKER
SP201	1-503-631-11	SPEAKER
SP301	1-503-632-11	SPEAKER
T1	1-403-872-00	I.F.T, FM CONVERTER (SMALL TYPE)
T3	1-406-040-00	COIL (OSC)
T4	1-404-249-00	COIL, FM DETECTOR
T5	1-404-355-00	TRANSFORMER, IF
T301	1-433-300-11	TRANSFORMER, BIAS OSCILLATION
T901⚠	1-448-672-11	(Canadian)...TRANSFOMER, POWER
T901⚠	1-448-673-11	(AEP,G-AEP,ITALY)...TRANSFORMER, POWER
T901⚠	1-448-674-11	(E).....TRANSFOMER, POWER
T901⚠	1-448-708-11	(US).....TRANSFOMER, POWER

ACCESSORY & PACKING MATERIAL

⚠1	1-526-565-00	(E2/3)...AC PLUG ADAPTOR
⚠1	1-551-235-00	(E2/3).....CORD, POWER (DK-51)
⚠1	1-551-521-00	(E1/2).....CORD, POWER (DK-52)
⚠1	1-555-234-00	(AEP,G-AEP,ITALY)...CORD, POWER
⚠1	1-556-281-00	(US).....CORD, POWER
⚠1	1-557-287-11	(Canadian)...CORD, POWER
3	3-334-171-01	CUSHION (UPPER)
3	3-334-172-01	CUSHION (LOWER)
3	3-334-173-01	SHEET, PROTECTION
3	3-337-404-01	(AEP).....INDIVIDUAL CARTON
3	3-337-405-01	(G-AEP,ITALY)...INDIVIDUAL CARTON
3	3-337-406-01	(E).....INDIVIDUAL CARTON
3	3-337-407-01	(US,Canadian)...INDIVIDUAL CARTON
3	3-703-390-01	(US).....INSTRUCTION
*3	3-764-430-01	(G-AEP)...INSTRUCTION, DBP CAUTION
3	3-795-308-51	(E2/3)....INSTRUCTION
3	3-765-203-11	(AEP,G-AEP,E).....MANUAL, INSTRUCTION
3	3-765-203-21	(US,Canadian).....MANUAL, INSTRUCTION
3	3-765-203-31	(Canadian).....MANUAL, INSTRUCTION
3	3-765-203-41	(AEP,G-AEP,ITALY)...MANUAL, INSTRUCTION
3	3-795-748-21	(US)....SAFETY, INSTRUCTIONS, HEADPHONE

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